002

Inland
PRODUCTION COMPANY
A Subsidiary of Inland Resources Inc.

May 27, 2004

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 6-11-9-17, 1-9-9-18, 3-9-9-18, 5-9-9-18, 7-9-9-18, 9-9-9-18, and 11-9-9-18.

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED
MAY 2 8 2004
DIV. OF OIL, GAS & MINING

001

Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: U-39714

6. If Indian, Allottee or Tribe Name: N/A

1a. Type of Work: [x] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.: N/A

1b. Type of Well: [x] Oil Well [ ] Gas Well [ ] Other [x] Single Zone [ ] Multiple Zone

8. Lease Name and Well No.: Federal 5-9-9-18

2. Name of Operator: Inland Production Company

9. API Well No.: 43-047-35766

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Eight Mile Flat

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface SW/NW 1981' FNL 663' FWL 593401 X 40.04720

At proposed prod. zone 4433360 Y -109.90508

11. Sec., T., R., M., or Blk. and Survey or Area: SW/NW Sec. 9, T9S R18E

14. Distance in miles and direction from nearest town or post office*: Approximatley 19.9 miles southeast of Myton, Utah

12. County or Parish: Uintah

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 663' f/lse, NA f/unit	16. No. of Acres in lease: 1,717.32	17. Spacing Unit dedicated to this well: 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2635'	19. Proposed Depth: 6500'	20. BLM/BIA Bond No. on file: UTU0056
21. Elevations (Show whether DF, KDB, RT, GL, etc.): 4980' GL	22. Approximate date work will start*: 1st Quarter 2005	23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier	Name *(Printed/Typed)*: Mandie Crozier	Date: 5/27/04
Title: Regulatory Specialist		
Approved by *(Signature)*:	Name *(Printed/Typed)*: BRADLEY G. HILL	Date: 06-07-04
Title:	Office: ENVIRONMENTAL SCIENTIST III	

Federal Approval of this Action is Necessary

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

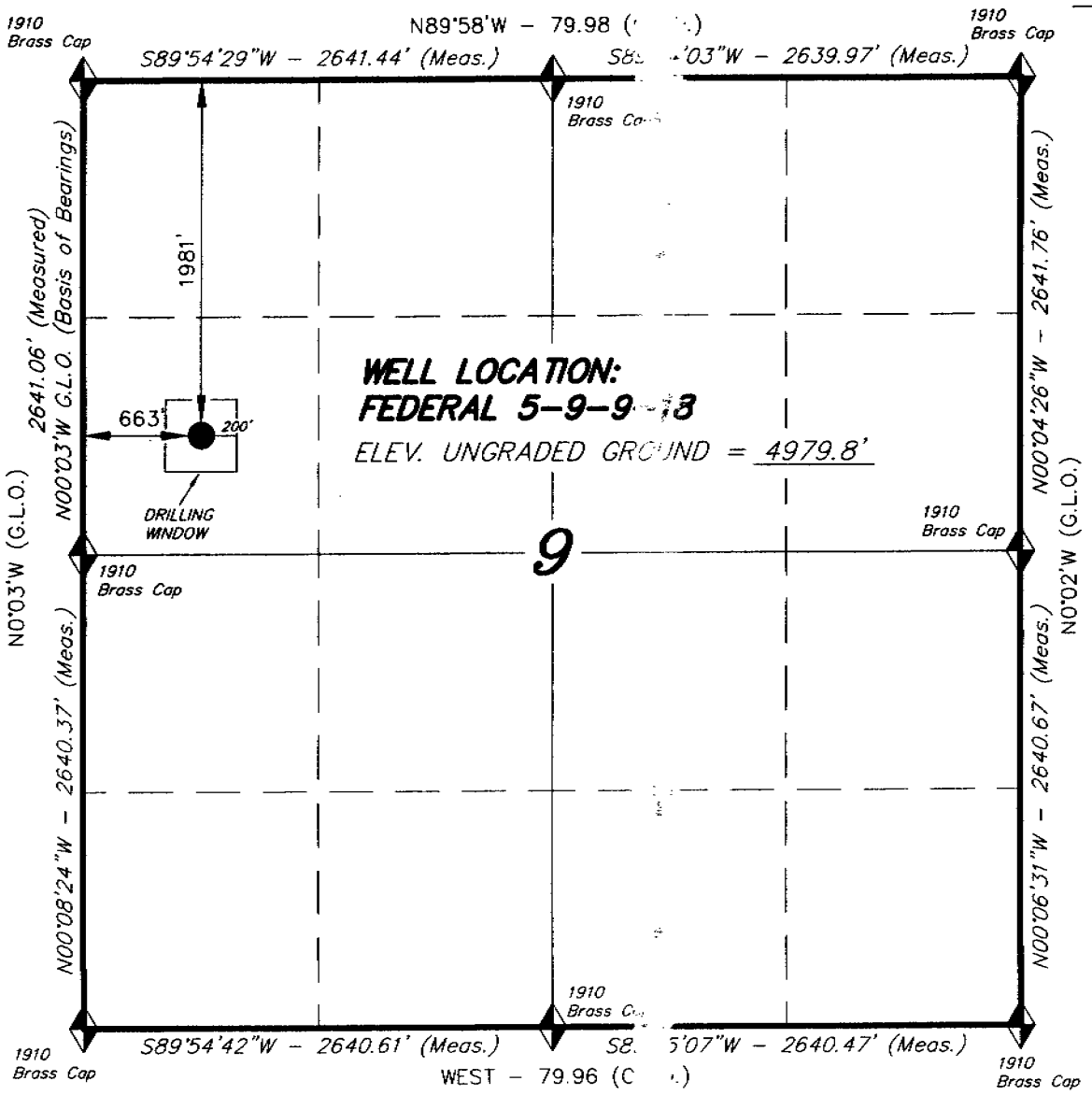
**(Instructions on reverse)*

RECEIVED

MAY 28 2004

DIV. OF OIL, GAS & MINING

T9S, R18E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

INLAND PRODUCTION COMPANY

WELL LOCATION, FEDERAL 5-9-9-18, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 9, T9S, R18E, S.L.B.M. UINTAH COUNTY, UTAH.

N

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
189377
STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION NO. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: K.G.S.
DATE: 10-29-03	DRAWN BY: J.R.S.
NOTES:	FILE #

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Federal 5-9-9-18

API Number:

Lease Number: U-39714

Location: SW/NW Sec. 9, T9S R18E

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL

CULTURAL RESOURCES
See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

PALEONTOLOGICAL RESOURCES
See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

SOILS, WATERSHEDS, AND FLOODPLAINS
See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

WILDLIFE AND FISHERIES
See *DIAMOND MOUNTAIN RESOURCE AREA RESOURCE MANAGEMENT PLAN AND RECORD OF DECISION* (Fall 1994).

THREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES
MOUNTAIN PLOVER: If new construction or surface disturbing activities are scheduled to occur between May 1 and June 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be conducted in accordance with the survey protocols outlined in the most recent USFWS Survey Protocol. Surveys must be completed prior to initiating new construction or surface disturbing activities. No new construction or surface disturbing activities will be allowed between March 15 and August 15 within a 0.5 mile radius of any documented mountain plover nest site.

BURROWING OWL: Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and August 15. If new construction or surface disturbing activities are scheduled

between April 1 and August 15, pre-construction surveys will be conducted to detect the presence of nesting burrowing owls within 0.5 mile of any new construction or surface disturbing activity (see Vernal BLM Field Office Protocol). No new construction or surface disturbing activities will be allowed between April 1 and August 15 within a 0.5 mile radius of any active burrowing owl nest.

INLAND PRODUCTION COMPANY
FEDERAL #5-9-9-18
SW/NW SECTION 9, T9S, R18E
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. ***GEOLOGIC SURFACE FORMATION:***

Uinta formation of Upper Eocene Age

2. ***ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:***

Uinta	0' – 1640'
Green River	1640'
Wasatch	5925'

3. ***ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:***

Green River Formation 1640' – 6500' - Oil

4. ***PROPOSED CASING PROGRAM***

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. ***MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:***

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. ***TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:***

Please refer to the Monument Butte Field SOP.

7. ***AUXILIARY SAFETY EQUIPMENT TO BE USED:***

Please refer to the Monument Butte Field SOP.

8. ***TESTING, LOGGING AND CORING PROGRAMS:***

Please refer to the Monument Butte Field SOP.

9. ***ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:***

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ***ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:***

Please refer to the Monument Butte Field SOP.

INLAND PRODUCTION COMPANY
FEDERAL #5-9-9-18
SW/NW SECTION 9, T9S, R18E
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. *EXISTING ROADS*

See attached Topographic Map "A"

To reach Inland Production Company well location site Federal #5-9-9-18 located in the SW 1/4 NW 1/4 Section 9, T9S, R18E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 – 11.7 miles ± to it's junction with an existing dirt road to the southeast; proceed southeasterly – 3.6 miles ± to it's junction with an existing road to the northeast; proceed northeasterly – 3.0 miles ± to it's junction with the beginning of the proposed access road to the north; proceed in a northerly direction along the proposed access road 3,835' ± to the proposed well location.

2. *PLANNED ACCESS ROAD*

See Topographic Map "B" for the location of the proposed access road.

3. *LOCATION OF EXISTING WELLS*

Refer to Exhibit "B".

4. *LOCATION OF EXISTING AND/OR PROPOSED FACILITIES*

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. *LOCATION AND TYPE OF WATER SUPPLY*

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. *SOURCE OF CONSTRUCTION MATERIALS*

Please refer to the Monument Butte Field SOP.

7. *METHODS FOR HANDLING WASTE DISPOSAL*

Please refer to the Monument Butte Field SOP.

8. *ANCILLARY FACILITIES*

Please refer to the Monument Butte Field SOP.

9. ***WELL SITE LAYOUT***

See attached Location Layout Diagram.

10. ***PLANS FOR RESTORATION OF SURFACE***

Please refer to the Monument Butte Field SOP.

11. ***SURFACE OWNERSHIP*** - Bureau Of Land Management

12. ***OTHER ADDITIONAL INFORMATION***

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #03-156, 4/2/04. Paleontological Resource Survey prepared by, Wade E. Miller, 10/6/03. See attached report cover pages, Exhibit "D".

For the Federal #5-9-9-18 Inland Production Company requests a 280'ROW be granted in Lease U-16540 and 3,555' of disturbed area be granted in Lease U-39714 to allow for construction of the proposed access road. **Refer to Topographic Map "B".** The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Inland Production Company requests a 280' ROW in Lease U-16540 and 3,555' of disturbed area be granted in Lease U-39714 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Inland Production Company requests a 280' ROW in Lease U-16540 and 3,555' of disturbed area be granted in Lease U-39714 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal
Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Reserve Pit Liner
Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation
Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Shadscale	*Atriplex confertifolia*	4 lbs/acre
Gardner saltbush	*Atriplex gardneri*	4 lbs/acre
Galleta grass	*Hilaria jamesii*	4 lbs/acre

Details of the On-Site Inspection

The proposed Federal #5-9-9-18 was on-sited on 8/20/03. The following were present; Brad Mecham (Inland Production), Byron Tolman (Bureau of Land Management), and SWCA representatives. Weather conditions were clear.

13. *LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION*

Representative

Name: Brad Mecham

Address: Route #3 Box 3630
Myton, UT 84052

Telephone: (435) 646-3721

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #5-9-9-18 SW/NW Section 9, Township 9S, Range 18E: Lease U-39714 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

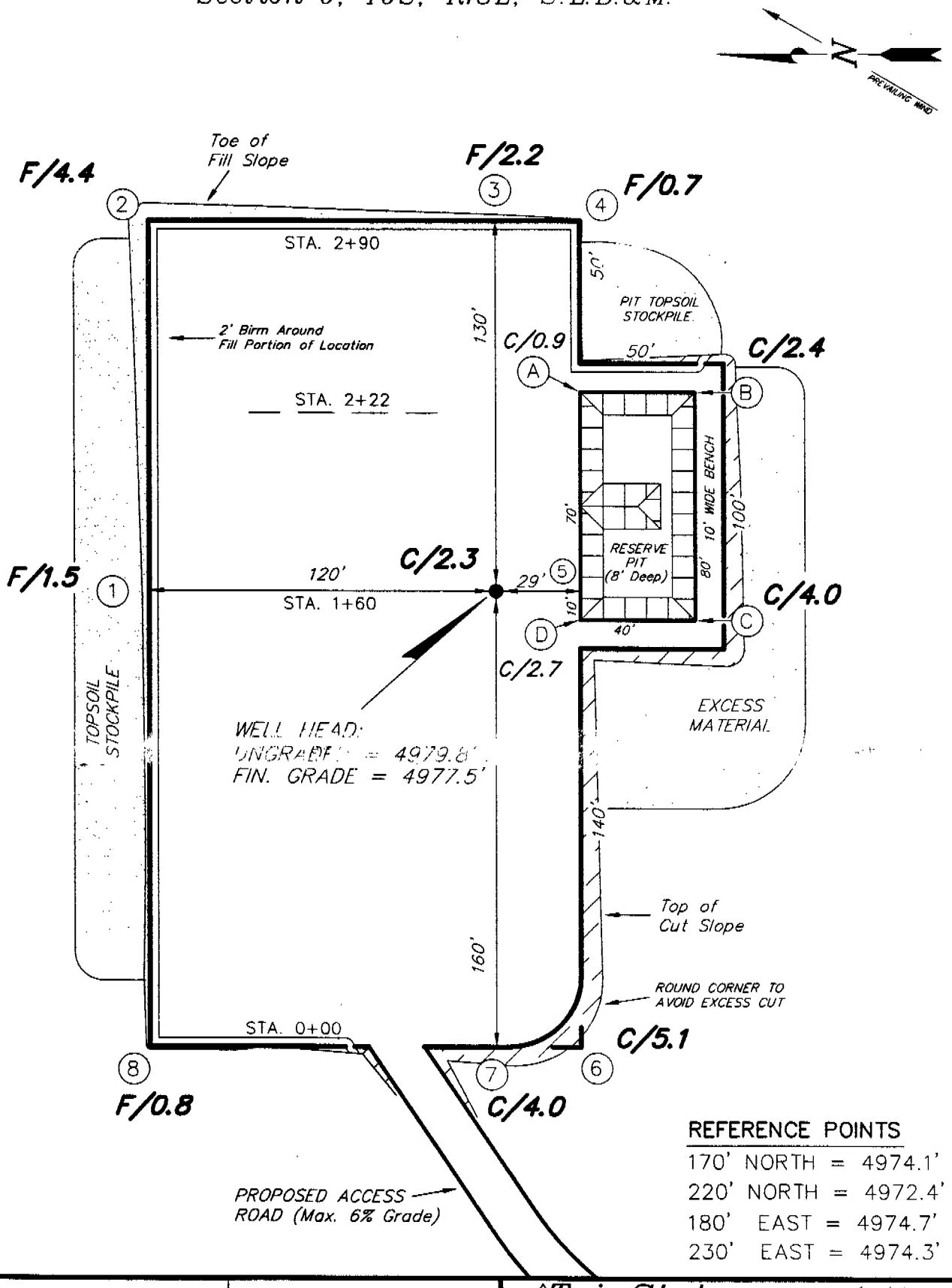
5/27/04
Date

Mandie Crozier
Regulatory Specialist

INLAND PRODUCTION COMPANY

FEDERAL 5-9-9-18

Section 9, T9S, R18E, S.L.B.&M.



REFERENCE POINTS

170' NORTH = 4974.1'
220' NORTH = 4972.4'
180' EAST = 4974.7'
230' EAST = 4974.3'

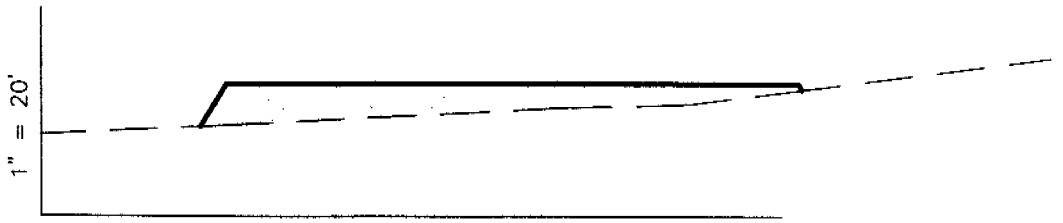
SURVEYED BY: K.G.S.		SCALE:	1" = 50'
DRAWN BY: J.R.S.		DATE:	10-29-03

Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

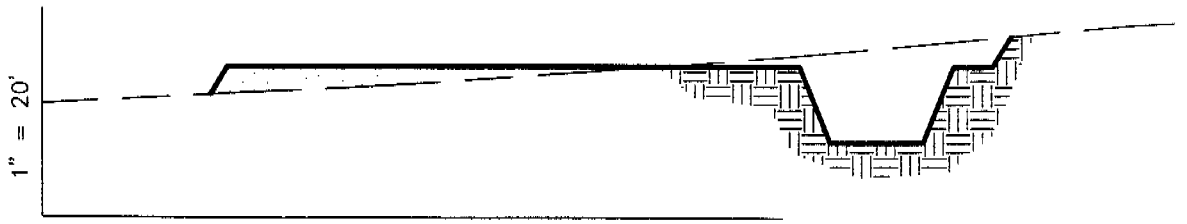
INLAND PRODUCTION COMPANY

CROSS SECTIONS

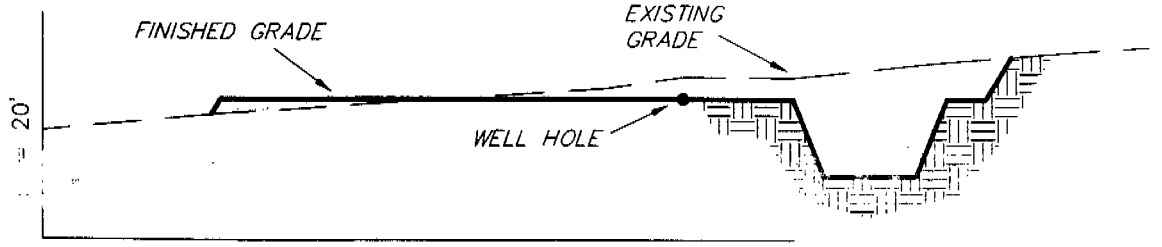
FEDERAL 5-9-9-18



STA. 2+90



STA. 2+22



STA. 1+60

STA. 0+00

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,640	1,640	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	2,280	1,640	890	640

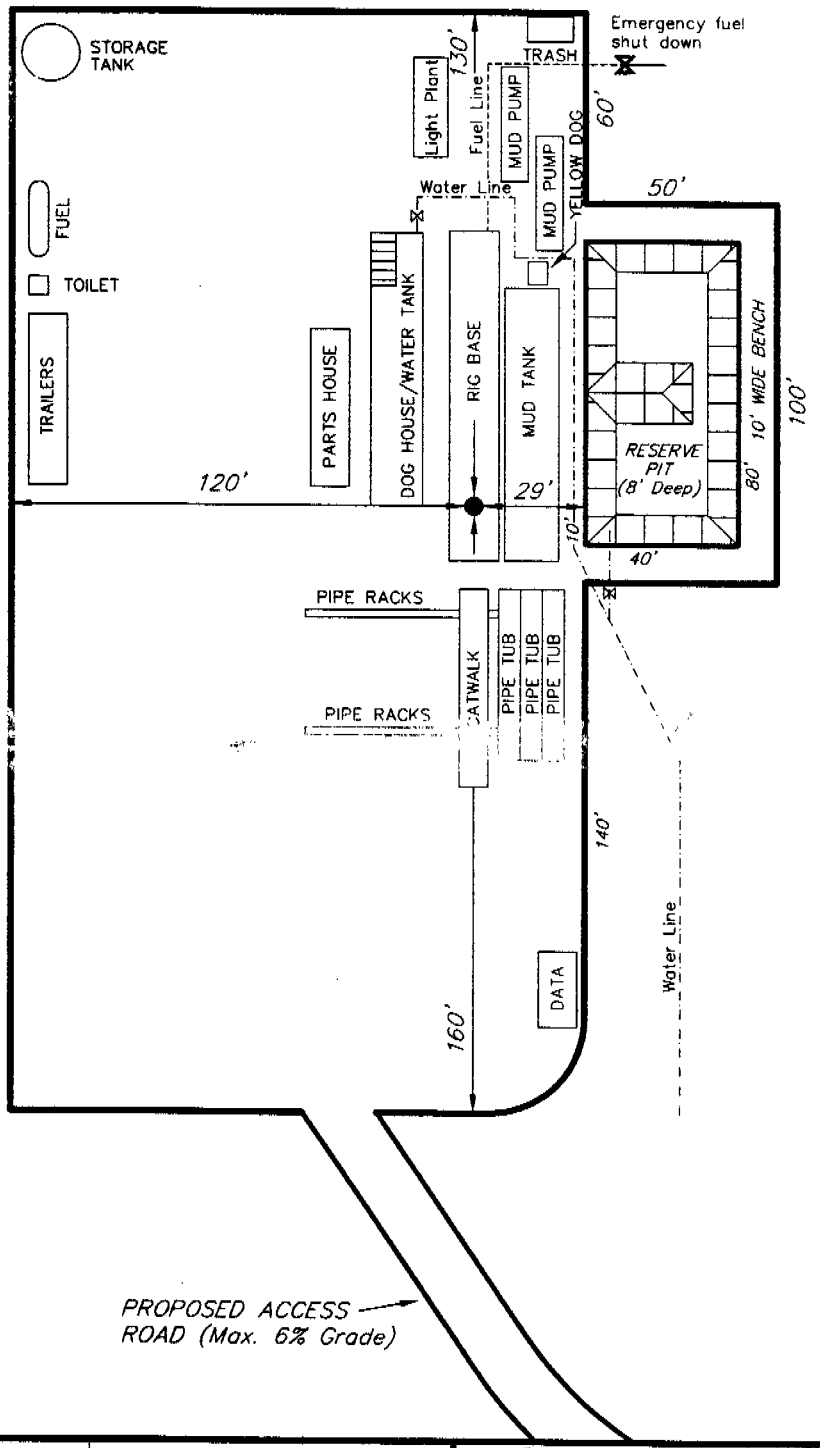
NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

SURVEYED BY: K.G.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: J.R.S.	DATE: 10-29-03	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	

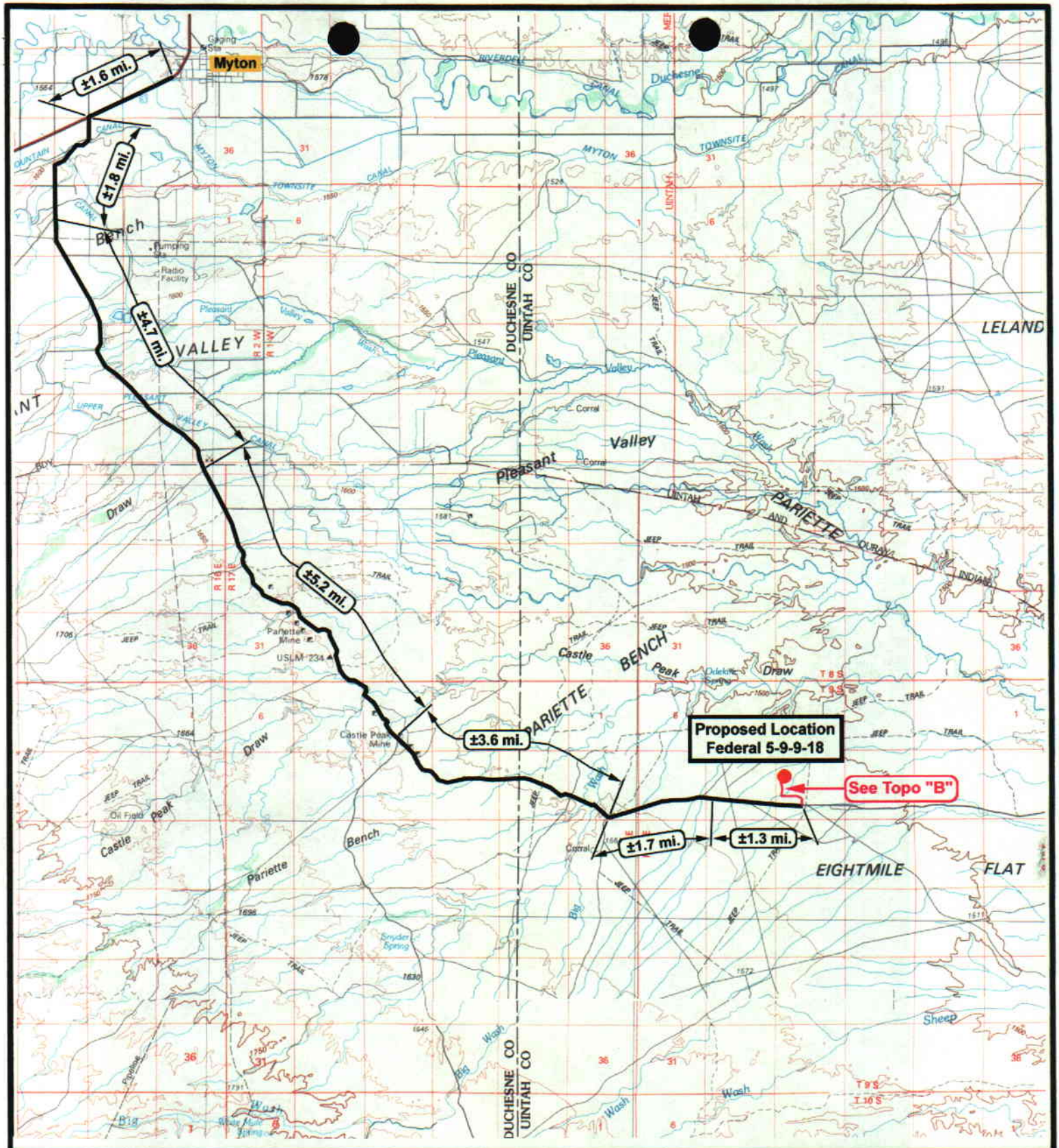
INLAND PRODUCTION COMPANY

TYPICAL RIG LAYOUT

FEDERAL 5-9-9-18



SURVEYED BY: K.G.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: J.R.S.	DATE: 10-29-03	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	



Inland RESOURCES INC.

Federal 5-9-9-18
SEC. 9, T9S, R18E, S.L.B.&M.

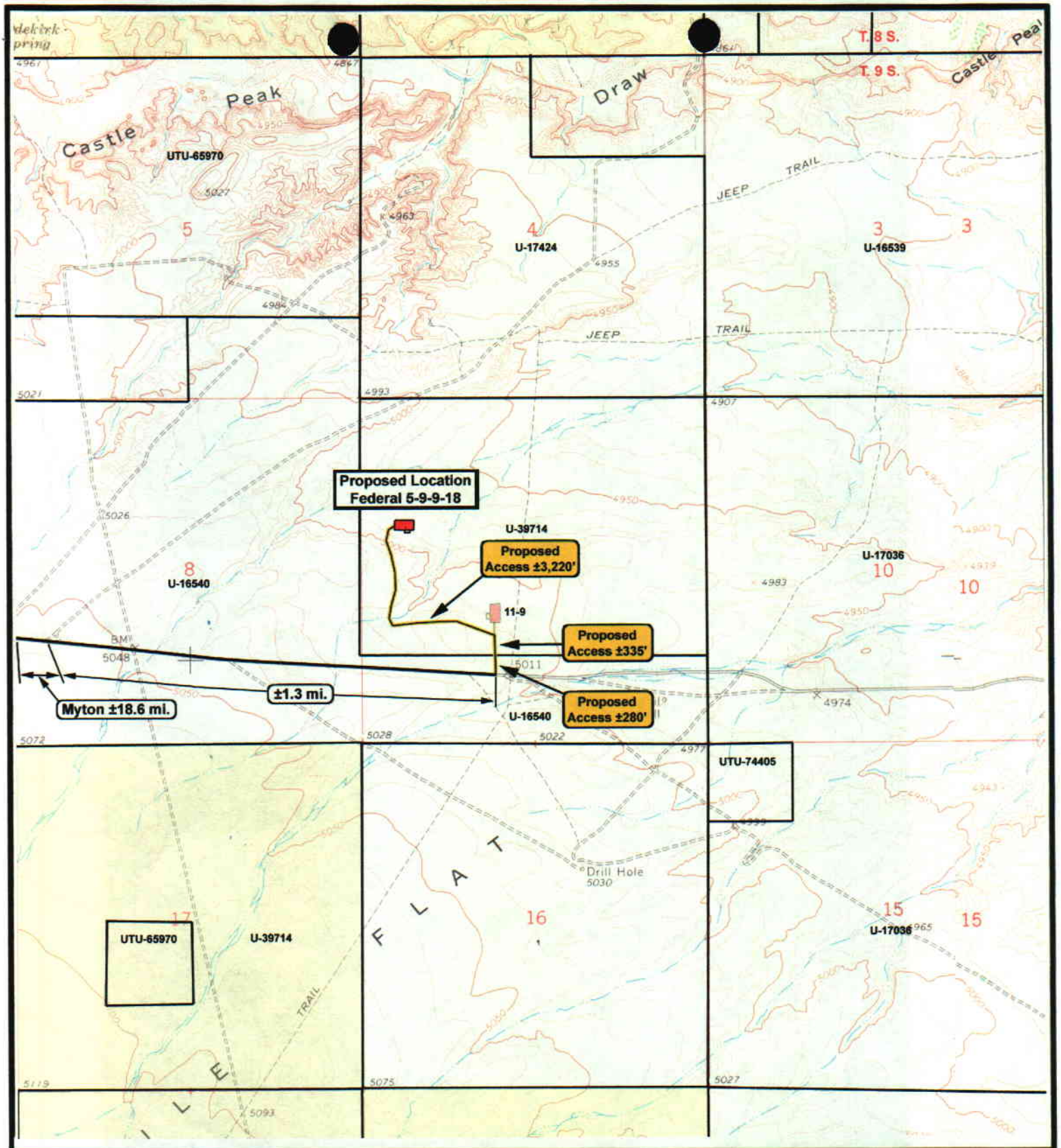
N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

Legend
- Existing Road
- Proposed Access

SCALE: 1 = 120,000
DRAWN BY: R.A.B.
DATE: 11-13-2003

TOPOGRAPHIC MAP
"A"



Inland RESOURCES INC.

Federal 5-9-9-18
SEC. 9, T9S, R18E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: R.A.B.
DATE: 11-13-2003

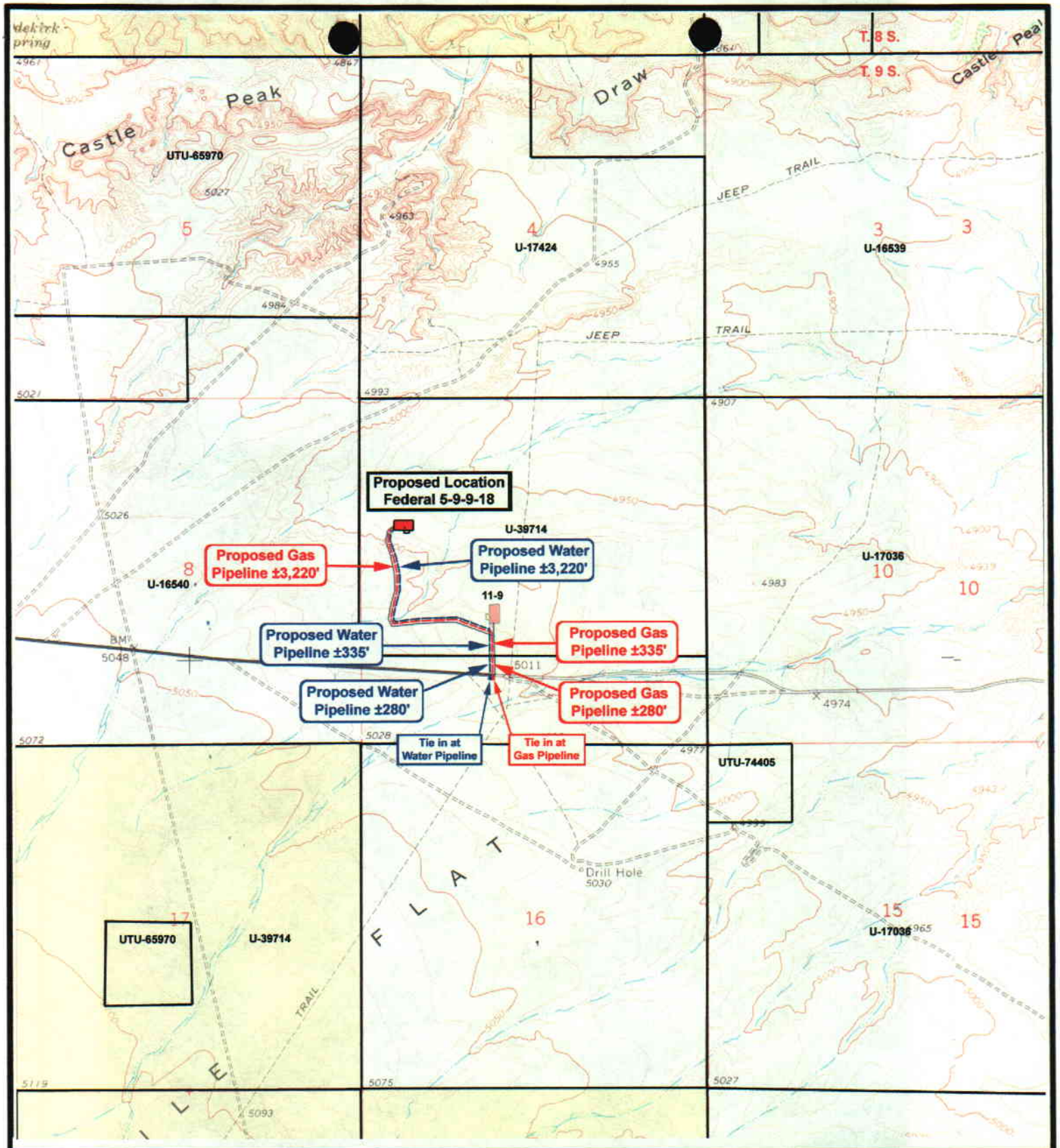
Legend

Existing Road

Proposed Access

TOPOGRAPHIC MAP

"B"



Inland RESOURCES INC.

Federal 5-9-9-18
SEC. 9, T9S, R18E, S.L.B.&M.

N

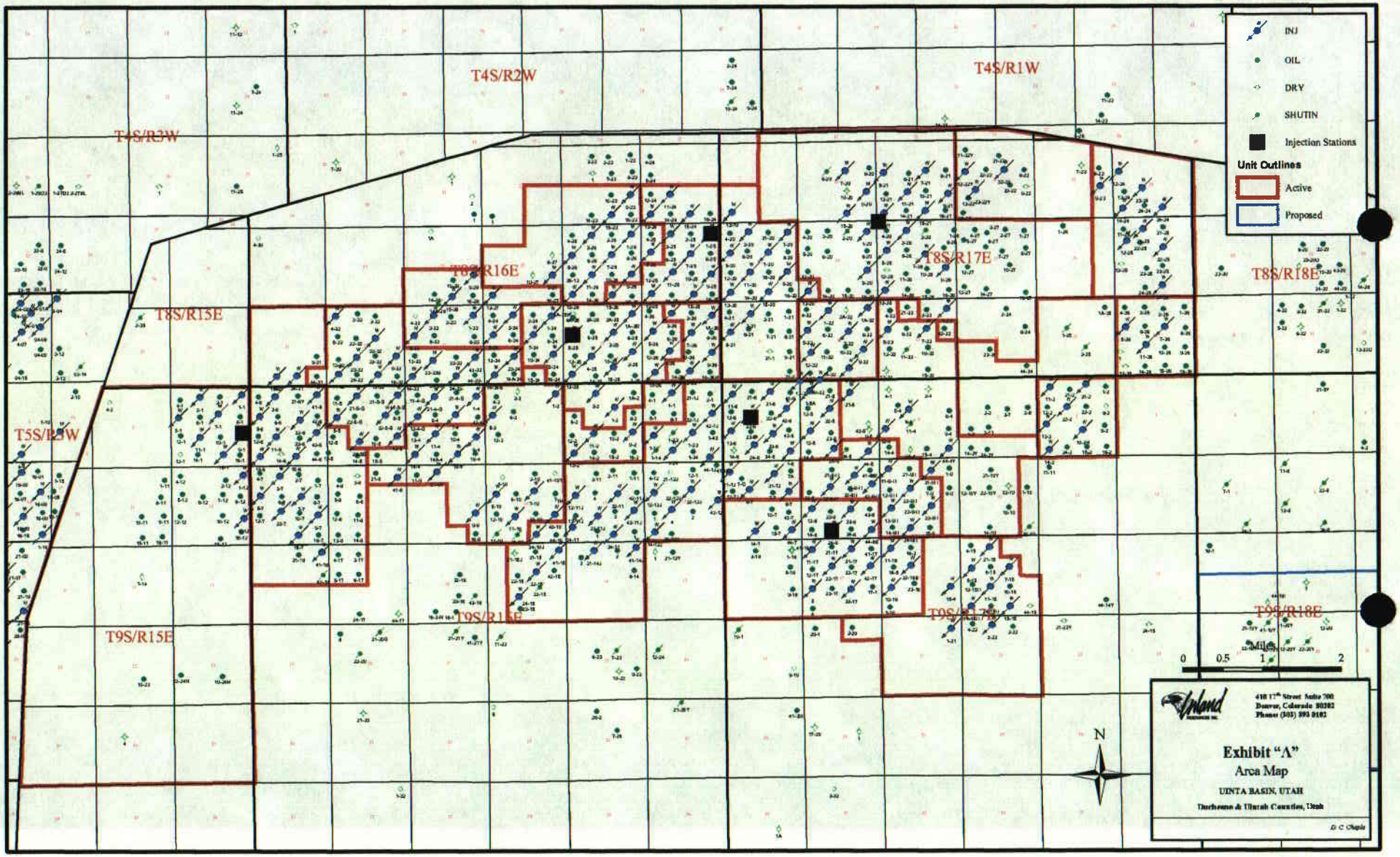
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: R.A.B.
DATE: 11-13-2003

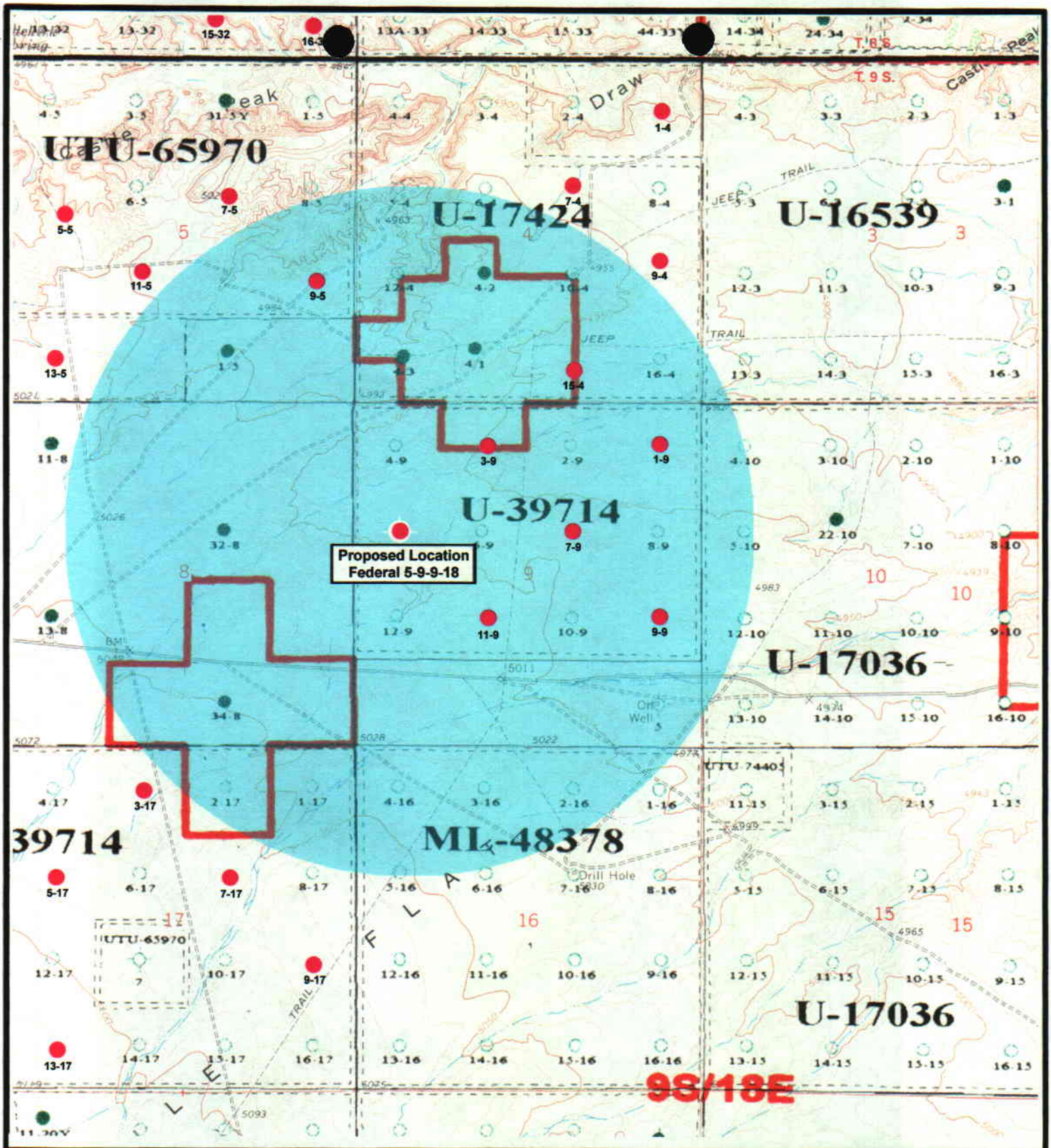
Legend

- Roads
- Existing Gas Line
- Proposed Gas Line
- Existing Water Line
- Proposed Water Line

TOPOGRAPHIC MAP
"C"



January 15, 2003



Inland RESOURCES INC.

Federal 5-9-9-18
SEC. 9, T9S, R18E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: R.A.B.
DATE: 11-13-2003

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

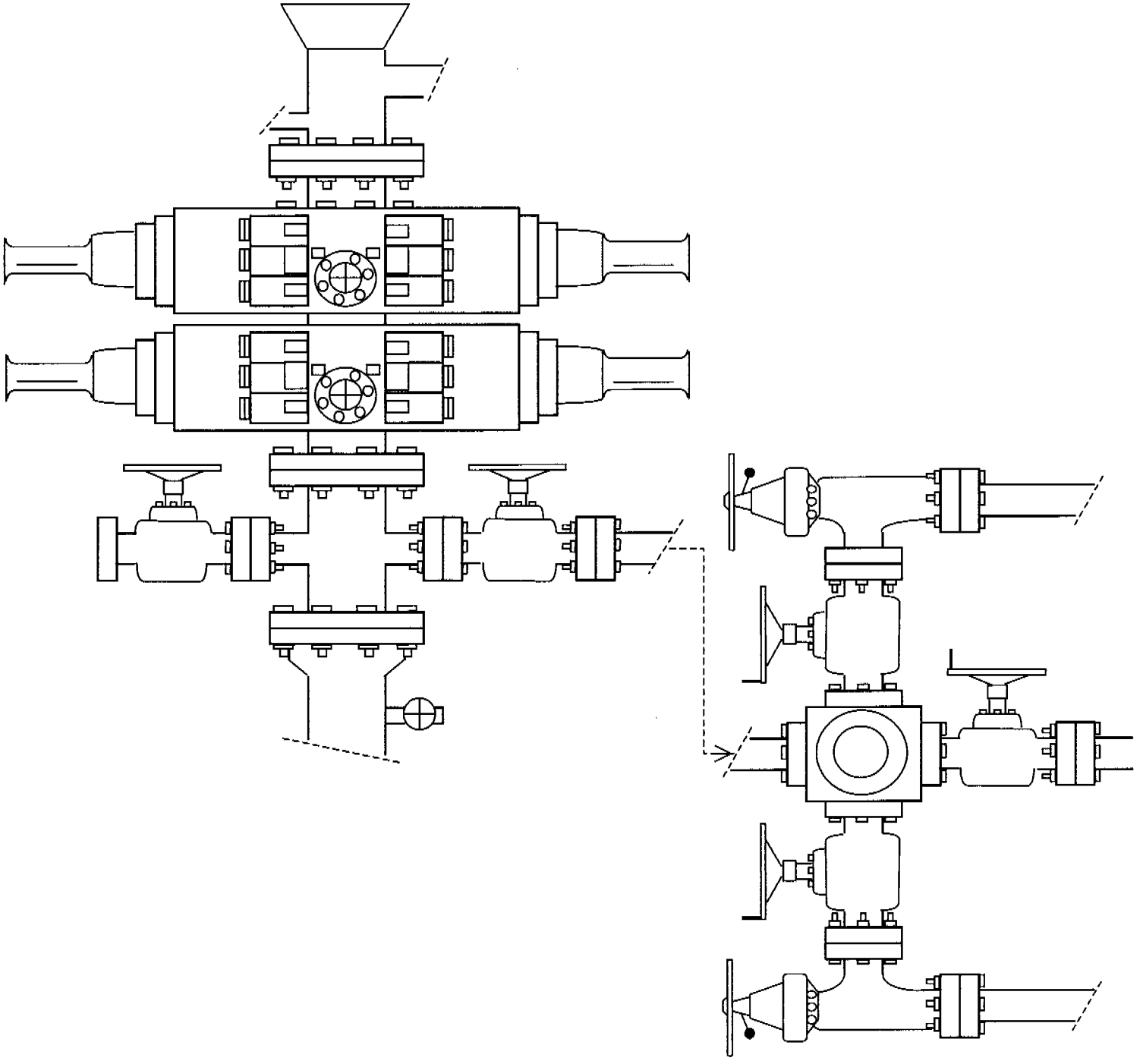


EXHIBIT C

Exhibit "D"
Page 1 of 4

CULTURAL RESOURCE INVENTORY OF INLAND RESOURCE'S BLOCK SURVEY ON EIGHT MILE FLAT, TOWNSHIP 9 SOUTH, RANGE 18 EAST, SECTIONS 9, 10, 11, 14, 15 AND 23, UINTAH COUNTY, UTAH

by

Amanda Wilson
and
Keith R. Montgomery

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Inland Production
Route 3 Box 3630
Myton, Utah 84052

Prepared By:

Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 03-156

April 2, 2004

United States Department of Interior (FLPMA)
Permit No. 03-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-04-MQ-0801b

INLAND RESOURCES, INC.

PALEONTOLOGICAL FIELD SURVEY OF PROPOSED PRODUCTION DEVELOPMENT AREAS, UINTAH COUNTY, UTAH

(Sections 9, 14, 15, 17, 21, 23 and north half section 20,
Township 9 South, Range 18 East)

REPORT OF SURVEY

Prepared for:

Inland Resources, Inc.

Prepared by:

Wade E. Miller
Consulting Paleontologist
October 6, 2003

003

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/28/2004

API NO. ASSIGNED: 43-047-35766

WELL NAME: FEDERAL 5-9-9-18
OPERATOR: INLAND PRODUCTION (N5160)
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:
SWNW 09 090S 180E
SURFACE: 1981 FNL 0663 FWL
BOTTOM: 1981 FNL 0663 FWL
UINTAH
8 MILE FLAT NORTH (590)

LEASE TYPE: 1 - Federal
LEASE NUMBER: U-39714
SURFACE OWNER: 1 - Federal
PROPOSED FORMATION: GRRV
COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.04720
LONGITUDE: 109.90508

RECEIVED AND/OR REVIEWED:

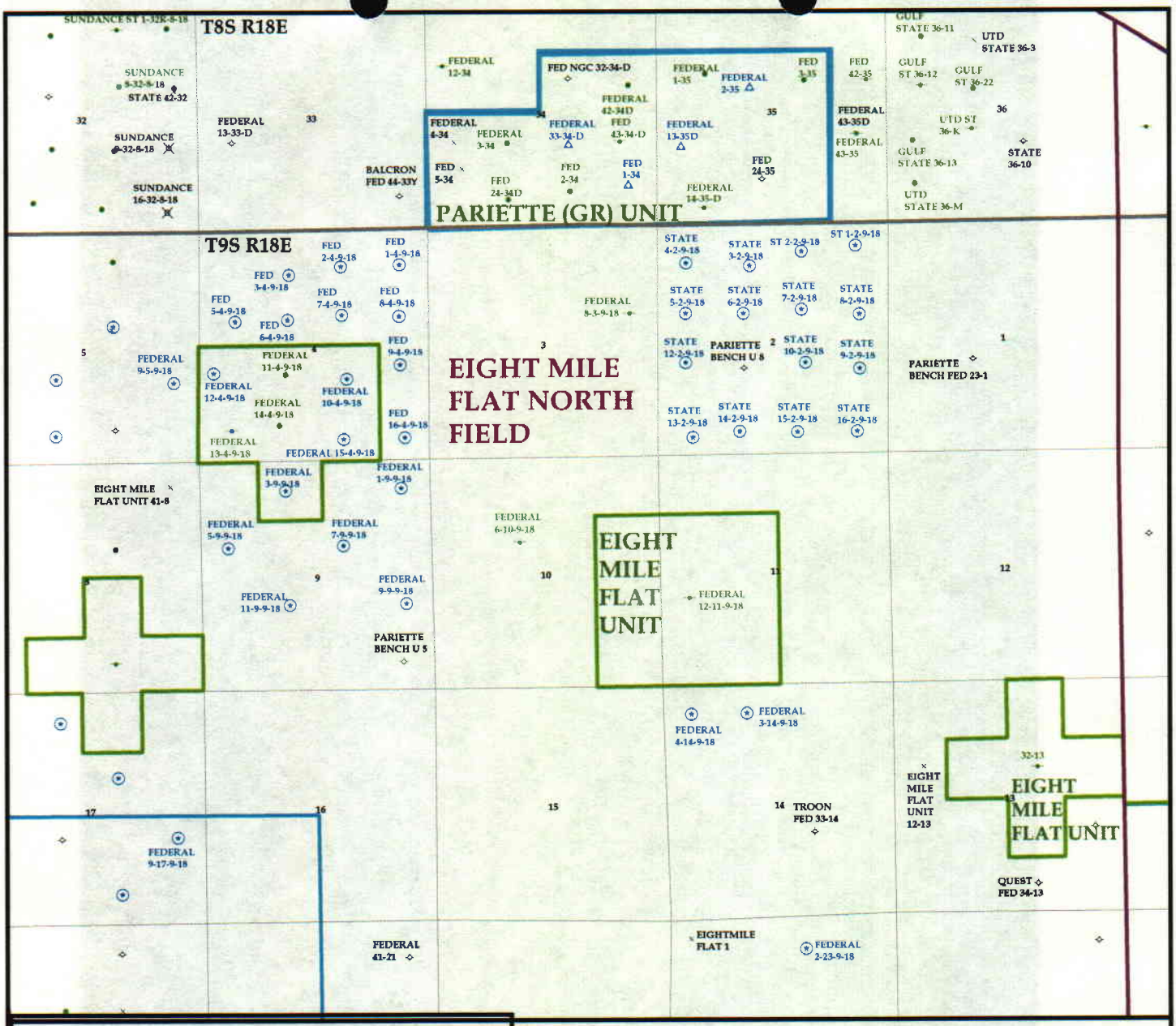
✓ Plat
✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UT 0056)
N Potash (Y/N)
N Oil Shale 190-5 (B) or 190-3 or 190-13
✓ Water Permit
(No. MUNICIPAL)
N RDCC Review (Y/N)
(Date:)
NA Fee Surf Agreement (Y/N)

LOCATION AND SITING:

___ R649-2-3.
Unit
✓ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
___ R649-3-3. Exception
___ Drilling Unit
Board Cause No:
Eff Date:
Siting:
___ R649-3-11. Directional Drill

COMMENTS: Sop, Seperate file

STIPULATIONS: 1- Federal Approval
2- Spacing Slip



OPERATOR: INLAND PRODUCTION CO (N5160)

SEC. 9 T.9S, R.18E

FIELD: EIGHT MILE FLAT NORTH (590)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING

Well Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

Land Status

- Private Not Classed
- Forest Service
- BLM
- State Lands
- Native American
- Private
- Military
- National Parks
- State Parks
- State Wilderness
- National Recreation
- US Wildlife
- Wilderness
- Bankhead Jones
- Soveriegn Lands
- Water
- Intermittent Water
- Section Line
- Township Boundary

Utah Oil Gas and Mining

N W E S

PREPARED BY: DIANA WHITNEY
DATE: 8-JUNE-2004

004

State of Utah

Department of
Natural Resources

ROBERT L. MORGAN
Executive Director

Division of
Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

June 7, 2004

Inland Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Federal 5-9-9-18 Well, 1981' FNL, 663' FWL, SW NW, Sec. 9 , T. 9 South, R. 18 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35766.

Sincerely,

for John R. Baza
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

Operator: Inland Production Company

Well Name & Number Federal 5-9-9-18

API Number: 43-047-35766

Lease: U-39714

Location: SW NW **Sec.** 9 **T.** 9 South **R.** 18 East

Conditions of Approval

1. General

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284.

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697

Geoffrey S. Connor
Secretary of State

Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment — September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure
1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

UTSL-

071572A
065914

UTU-

02458
03563
03563A
04493
05843
07978
09803
017439B
017985
017991
017992
018073
019222
020252
020252A
020254
020255
020309D
022684A
027345
034217A
035521
035521A
038797
058149
063597A
075174
096547
096550

10760
11385
13905
15392
15855
16535
16539
16544
17036
17424
18048
18399
19267
26026A
30096
30103
31260
33992
34173
34346
36442
36846
38411
38428
38429
38431
39713
39714
40026
40652
40894
41377
44210
44426
44430
45431
47171
49092
49430
49950
50376
50385
50376
50750
51081
52013
52018
58546
61052
62848
63073B
63073D
63073E
63073O
64917
64379
64380
64381
64805
64806
64917
65207
65210
65635
65967
65969
65970
66184
66185
66191
67168
67170
67208
67549
67586
67845
68105
68548
68618
69060
69061
69744
70821
72103
72104
72105
72106
72107
72108
73086
73087
73807
73088
73089
73520A
74108
74805
74806
74807
74808
74389
74390
74391
74392
74393
74398
74399
74400
74404
74405
74406
74411
74805
74806
74826
74827
74835
74868
74869
74870
74872
74970
75036
75037
75038
75039
75075
75078
75089
75090
75234
75238
76239
76240
76241
76560
76561
76787
76808
76813
76954
76956
77233
77234
77235
77337
77338
77339
77357
77359
77365
77369
77370
77546
77553
77554
78022
79013
79014
79015
79016
79017
79831
79832
79833
79831
79834
80450
80915
81000
63073X
63098A
68528A
72086A
72613A
73520X
74477X
75023X
76189X
76331X
76788X
77098X
77107X
77236X
77376X
78560X
79485X
79641X
80207X
81307X

Division of Oil, Gas and Mining

ROUTING
1. GLH
2. CDW
3. FILE

OPERATOR CHANGE WORKSHEET

005

Change of Operator (Well Sold) — Designation of Agent/Operator

X Operator Name Change — **Merger**

The operator of the well(s) listed below has changed, effective: **9/1/2004**

FROM: (Old Operator):	**TO:** (New Operator):
N5160-Inland Production Company	N2695-Newfield Production Company
Route 3 Box 3630	Route 3 Box 3630
Myton, UT 84052	Myton, UT 84052
Phone: 1-(435) 646-3721	Phone: 1-(435) 646-3721

CA No. **Unit:**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
FEDERAL 6-11-9-17	11	090S	170E	4304735769		Federal	OW	APD	K
STATE 1-2-9-18	02	090S	180E	4304735773		State	OW	APD	K
STATE 2-2-9-18	02	090S	180E	4304735774		State	OW	APD	K
STATE 3-2-9-18	02	090S	180E	4304735775		State	OW	APD	K
STATE 4-2-9-18	02	090S	180E	4304735776		State	OW	APD	K
STATE 5-2-9-18	02	090S	180E	4304735777	14389	State	OW	P	K
STATE 6-2-9-18	02	090S	180E	4304735778		State	OW	APD	K
STATE 16-2-9-18	02	090S	180E	4304735779		State	OW	APD	K
STATE 15-2-9-18	02	090S	180E	4304735780		State	OW	APD	K
STATE 14-2-9-18	02	090S	180E	4304735781		State	GW	APD	K
STATE 13-2-9-18	02	090S	180E	4304735782		State	OW	APD	K
STATE 12-2-9-18	02	090S	180E	4304735783		State	OW	APD	K
STATE 10-2-9-18	02	090S	180E	4304735784		State	OW	APD	K
STATE 9-2-9-18	02	090S	180E	4304735785		State	OW	APD	K
STATE 8-2-9-18	02	090S	180E	4304735786		State	OW	APD	K
FEDERAL 9-9-9-18	09	090S	180E	4304735764		Federal	OW	APD	K
FEDERAL 7-9-9-18	09	090S	180E	4304735765		Federal	OW	APD	K
FEDERAL 5-9-9-18	09	090S	180E	4304735766		Federal	OW	APD	K
FEDERAL 3-9-9-18	09	090S	180E	4304735767		Federal	OW	APD	K
FEDERAL 1-9-9-18	09	090S	180E	4304735768		Federal	OW	APD	K

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
5. **If NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - **received 2/23/05**

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
UTU-39714

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
N/A

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
FEDERAL 5-9-9-18

9. API Well No.
43-047-35766

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area
EIGHT MILE FLAT NORTI

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

11. County or Parish, State
UINTAH COUNTY, UT.

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
1981 FNL 663 FWL SW/NW Section 9, T9S R18E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Permit Extension**	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production Company requsts to extend the Permit to Drill this well for one year. The original approval date was 6/7/04 (expiration 6/7/05).

This APD has not been approved yet by the BLM.

Approved by the
Utah Division of
Oil, Gas and Mining
Date: 06-06-05
By:

COPY SENT TO OPERATOR
Date: 6-2-05
Initials: CHD

14. I hereby certify that the foregoing is true and correct
Signed Mandie Crozier Title Regulatory Specialist Date 5/31/2005

CC: UTAH DOGM

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

RECEIVED
JUN 0 1 2005
DIV. OF OIL, GAS & MINING

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-35766
Well Name: Federal 5-9-9-18
Location: SW/NW Section 9, T9S R18E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 6/7/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐ No☐ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐ No☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐ No☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐ No☒

Has the approved source of water for drilling changed? Yes☐ No☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐ No☒

Is bonding still in place, which covers this proposed well? Yes☒ No☐

Mandie Crozier
Signature

5/31/2005
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED
JUN 01 2005
DIV. OF OIL, GAS & MINING

FORM 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
UTU-39714

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
N/A

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
FEDERAL 3-9-9-18

9. API Well No.
43-047-35767

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

10. Field and Pool, or Exploratory Area
EIGHT MILE FLAT NORTI

3. Address and Telephone No.
Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

11. County or Parish, State
UINTAH COUNTY, UT.

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)
658 FNL 1981 FWL NE/NW Section 9, T9S R18E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Permit Extension**	[ ] Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production Company requsts to extend the Permit to Drill this well for one year. The original approval date was 6/7/04 (expiration 6/7/05).

This APD has not been approved yet by the BLM.

Approved by the
Utah Division of
Oil, Gas and Mining
Date: 06-06-05
By:

SENT TO OPERATOR
Date: 6-7-05
Initials: CHD

14. I hereby certify that the foregoing is true and correct
Signed Mandie Crozier Title Regulatory Specialist Date 5/31/2005
Mandie Crozier

CC: UTAH DOGM

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

CC: Utah DOGM

RECEIVED
JUN 01 2005
DIV. OF OIL, GAS & MINING

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-35767
Well Name: Federal 3-9-9-18
Location: NE/NW Section 9, T9S R18E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 6/7/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐ No☐ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐ No☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐ No☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐ No☒

Has the approved source of water for drilling changed? Yes☐ No☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐ No☒

Is bonding still in place, which covers this proposed well? Yes☒ No☐

Signature

5/31/2005
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

RECEIVED
JUN 01 2005
DIV. OF OIL, GAS & MINING

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

MAY 2 8 2004

Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. U-39714
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone	6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company	7. If Unit or CA Agreement, Name and No. N/A
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. *(include area code)* (435) 646-3721
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface SW/NW 1981' FNL 663' FWL At proposed prod. zone	8. Lease Name and Well No. Federal 5-9-9-18
	9. API Well No. 43-047-35766
	10. Field and Pool, or Exploratory Eight Mile Flat
	11. Sec., T., R., M., or Blk. and Survey or Area SW/NW Sec. 9, T9S R18E
14. Distance in miles and direction from nearest town or post office* Approximatley 19.9 miles southeast of Myton, Utah	12. County or Parish Uintah / 13. State UT
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 663' f/lse, NA f/unit	16. No. of Acres in lease 1,717.32 / 17. Spacing Unit dedicated to this well 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2635'	19. Proposed Depth 6500' / 20. BLM/BIA Bond No. on file UTB000056
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4980' GL	22. Approximate date work will start* 1st Quarter 2005 / 23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature Mandie Crozier	Name *(Printed/Typed)* Mandie Crozier	Date 5/27/04
Title Regulatory Specialist		
Approved by *(Signature)* Howard B Cleavinger II	Name *(Printed/Typed)*	Date 11/26/2005
Title Assistant Field Manager Mineral Resources	Office	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NOTICE OF APPROVAL

RECEIVED
DEC 1 2 2005
DIV. OF OIL, GAS & MINING

UDOGM

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Newfield Production Company

Well Name/Number: Federal 5-9-9-18

API Number: 43-047-35766

Lease Number: UTU-39714

Location: SWNW, Section 9, Township 9S, Range 18E

Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR DRILLING PLAN

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when the location is being constructed and/or when the well is being drilled. Contact the appropriate Surface Management Agency for information.

Please submit to this office, in LAS format, an electronic copy of all logs run on this well. This submission will replace the requirement for submittal of paper logs to the BLM.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Matt Baker, Petroleum Engineer: (435) 828-4470.

Michael Lee, Petroleum Engineer: (435) 828-7875.

CONDITIONS OF APPROVAL FOR SURFACE USE PLAN

This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.,* signed November 21, 2005. If the well has not been spudded by November 21, 2010, a new environmental document will have to be prepared prior to the approval of the APD.

No construction or drilling shall be allowed during the burrowing owl nesting season from April 1 through August 15, without first consulting the BLM biologist. If no nesting owls are found, drilling will be allowed.

In areas containing suitable mountain plover breeding habitat (as identified by the BLM representative during the onsite inspection) presence/absence surveys will be conducted according to U.S. Fish and Wildlife Survey protocol prior to beginning new construction or surface-disturbing activities. No new construction or surface-disturbing activities will be conducted during the mountain plover breeding season from March 15 through August 15 in areas known to contain mountain plover or active mountain plover nest sites. Motorized travel in plover breeding habitat shall take place only on designated routes with no cross-country travel permitted. Road maintenance will be avoided from May 1 through June 15 to avoid hazards to early developing chicks.

A hospital muffler or multi-cylinder engine shall be installed on the pumping unit.

4 to 6 inches of topsoil shall be stripped from the location and placed where it can most easily be accessed for interim reclamation. Once the well has been converted to water injection, the fill slopes shall be recontoured and the topsoil shall be spread over the entire well location. The well location shall then be seeded with crested wheatgrass (Variety Hycrest) at a 12 lb/acre rate (pure live seed). After seeded has been completed, an access road loop to the well head can be established. The reserve pit will be allowed to stay open until interim reclamation is completed so the entire area can be seeded at the same time. The interim seeding of the well location and reserve pit shall be done by either drilling the seed or by broadcasting the seed and dragging it with a spike tooth harrow.

The pipeline trench shall be dug in the borrow ditch of the road and the trench material side cast into the existing vegetation. Both the water line and the gas line shall be buried in the same trench. When backfilling the trenches, care should be taken to disturb as little of the vegetation as possible and thus allowing the existing plants to reestablish on their own, however, these disturbed areas should also be seeded with crested wheatgrass at the 12 lb/acre rate to ensure

vegetation establishment and to keep invasive weeds to a minimum. All seeding of the pipelines shall be completed using a seed drill.

The temporary gas lines used during the temporary production phase shall be laid on the surface, and then removed once the well is turned to water injection.

No pipeline construction will be allowed when soils are muddy and rutting of soils becomes apparent from the use of vehicles. If rutting occurs, operations must cease until soils are dry or frozen.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **NEWFIELD PRODUCTION COMPANY**

Well Name: **FEDERAL 5-9-9-18**

Api No: **43-047-35766** Lease Type: **FEDERAL**

Section **09** Township **09S** Range **18E** County **UINTAH**

Drilling Contractor **NDSI** RIG # **NS#1**

SPUDDED:

Date **12/19/05**

Time **NOON**

How **DRY**

Drilling will Commence:

Reported by **FLOYD MITCHELL**

Telephone # **1-435-823-3610**

Date 12/19/2005 Signed CHD

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU39714

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.
SUNDANCE UNIT

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 5-9-9-18

2. Name of Operator
Newfield Production Company

9. API Well No.
4304735766

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1981 FNL 663 FWL
SW/NW Section 9 T9S R18E

11. County or Parish, State
Uintah,UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Spud Notice
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 12/19/2005 MIRU NDSI NS # 1.Spud well @ 12:00 PM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 324.73'/ KB On 12/22/2005 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct
Name *(Printed/ Typed)*
Floyd Mitchell

Title
Drilling Supervisor

Signature Floyd Mitchell

Date
12/22/2005

[redacted]

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
DEC 2 8 2005
DIV. OF OIL, GAS & MINING

NEWFILD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 324.73

LAST CASING 8 5/8" SET AT 324.73'
DATUM 12' KB
DATUM TO CUT OFF CASING
DATUM TO BRADENHEAD FLANGE
TD DRILLER 320' LOGGER
HOLE SIZE 12 1/4

OPERATOR Newfield Production Company
WELL Federal 5-9-9-18
FIELD/PROSPECT Monument Butte
CONTRACTOR & RIG # NDSI NS #1

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 42.55'					
		WHI - 92 csg head			8rd	A	0.95
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	312.88
		GUIDE shoe			8rd	A	0.9

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	314.73	7
LESS NON CSG. ITEMS	1.85	
PLUS FULL JTS. LEFT OUT	0	
TOTAL	312.88	7
TOTAL CSG. DEL. (W/O THRDS)	312.88	7
TIMING	1ST STAGE	
BEGIN RUN CSG. Spud	12/19/2005	12:00 PM
CSG. IN HOLE	12/20/2005	4:00 PM
BEGIN CIRC	12/22/2005	7:25 AM
BEGIN PUMP CMT	12/22/2005	7:37 AM
BEGIN DSPL. CMT	12/22/2005	7:49 AM
PLUG DOWN	12/22/2005	8:00 AM

TOTAL LENGTH OF STRING	314.73
LESS CUT OFF PIECE	2
PLUS DATUM TO T/CUT OFF CSG	12
CASING SET DEPTH	324.73

} COMPARE

GOOD CIRC THRU JOB Yes
Bbls CMT CIRC TO SURFACE 5
RECIPROCATED PIPE FOR N/A
BUMPED PLUG TO 480 PSI

CEMENT USED — CEMENT COMPANY- B. J.

STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield

CENTRALIZER & SCRATCHER PLACEMENT — SHOW MAKE & SPACING

Centralizers - Middle first, top second & third for 3

COMPANY REPRESENTATIVE Floyd Mitchell DATE 12/22/2005

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU39714

6. If Indian, Allottee or Tribe Name.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No.
SUNDANCE UNIT

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 5-9-9-18

2. Name of Operator
Newfield Production Company

9. API Well No.
4304735766

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1981 FNL 663 FWL
SW/NW Section 9 T9S R18E

11. County or Parish, State
Uintah,UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Weekly Status Report
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 12/27/2005 MIRU Patterson # 155. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notifed of test. PU BHA and tag cement @ 286'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 5885'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 139 jt's of 5.5 J-55, 15.5# csgn. Set @ 5883.49/ KB. Cement with 325 sks cement mixed @ 11.0 ppg & 3.43 yld. The 425 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 39 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 90,000 #'s tension. Release rig @ 4:00 pm 12/31/2005.

I hereby certify that the foregoing is true and correct Name *(Printed/ Typed)* Troy Zufelt	Title Drilling Foreman
Signature	Date 01/01/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
JAN 09 2006
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5883.49

Flt cllr @ 5842.21

LAST CASING 8 5/8" Set @ 324.73

OPERATOR Inland Production Company

DATUM 12' KB

WELL Federal 5-9-9-18

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # Patterson- Rig # 155

TD DRILLER 5885' Loggers TD 5889'

HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
	SHJT	5.40@ 3950					
138	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5827.61
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	42.63
		GUIDE shoe			8rd	A	0.65

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	5885.49	139
LESS NON CSG. ITEMS	15.25	
PLUS FULL JTS. LEFT OUT	85.43	2
TOTAL	5955.67	141
TOTAL CSG. DEL. (W/O THRDS)	5955.67	141
TIMING	1ST STAGE	2nd STAGE
BEGIN RUN CSG.	12/31/2005	4:00 AM
CSG. IN HOLE	12/31/2005	7:30 AM
BEGIN CIRC	12/31/2005	9:39 AM
BEGIN PUMP CMT	12/31/2005	9:48 AM
BEGIN DSPL. CMT	12/31/2005	10:48
PLUG DOWN	31-Dec	11:19 AM

TOTAL LENGTH OF STRING	5885.49
LESS CUT OFF PIECE	14
PLUS DATUM TO T/CUT OFF CSG	12
CASING SET DEPTH	5883.49

} COMPARE

GOOD CIRC THRU JOB Yes

Bbls CMT CIRC TO SURFACE 39

RECIPROCATED PIPE FOR THRUSTROKE

DID BACK PRES. VALVE HOLD ? Yes

BUMPED PLUG TO 2150 PSI

CEMENT USED		2005 CEMENT COMPANY- B. J.
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	325	Premlite II w/ 10% gel + 3 % KCL, 3#'s /sk CSE + 2# sk/kolseal + 1/4#'s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	425	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.	

COMPANY REPRESENTATIVE Troy Zufelt DATE 12/31/2005

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	14844	43-047-35842	FEDERAL 15-9-9-18	SWSE	9	9S	18E	UINTAH	12/15/05	1/5/06

WELL 1 COMMENTS: GRRV Sundance Unit — J

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	12391	43-013-32784	GREATER BOUNDARY 11-20-8-17	SWNE	20	8S	17E	DUCHESNE	12/16/05	1/5/06

GRRV — J

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE
B	99999	14844	43-047-35766	FEDERAL 5-9-9-18	SWNW	9	9S	18E	UINTAH	12/19/05	1/5/06

GRRV Sundance Unit — J

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	14844	43-047-36161	FEDERAL 9-7-9-18	NESE	7	9S	18E	UINTAH	12/21/05	1/5/06

GRRV Sundance Unit — J

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	14844	43-047-36050	FEDERAL 6-9-9-18	SENW	9	9S	18E	UINTAH	12/21/05	1/5/06

WELL 5 COMMENTS: GRRV Sundance Unit — J

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	15124	43-013-32612	FEDERAL 1-22-9-16	NENE	22	9S	16E	DUCHESNE	12/26/05	1/5/06

WELL 5 COMMENTS: MNCS — J

ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

Kim Kettle
Signature
Production Clerk
Title
January 4, 2006
Date

RECEIVED
JAN 04 2006
DIV. OF OIL, GAS & MINING

01/04/2006 13:50 4356463031 INLAND PAGE 02

RECEIVED

JAN 20 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	12308 ✓	43-013-~~32443~~ 32443	SANDWASH FEDERAL 14-31-8-17	NESW	31	8S	17E	DUCHESNE	01/07/06	1/26/06

WELL 1 COMMENTS: GRRV — K

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	14844 ✓	43-047-35976	FEDERAL 10-33-8-18	NWSE	33	8S	18E	UINTAH	01/10/06	1/26/06

GRRV Sundance Unit — J

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	11880 ✓	43-013-32638	BELUGA FEDERAL 16-17-9-17	SESE	17	9S	17E	DUCHESNE	01/13/06	1/26/06

GRRV — J

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	12391 ✓	43-013-32797	GREATER BOUNDARY 5-3-9-17	SWNW	3	9S	17E	DUCHESNE	01/16/06	1/26/06

GRRV — J

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	14844 ✓	43-047-35768	FEDERAL 1-9-9-18	NENE	9	9S	18E	UINTAH	01/16/06	1/26/06

WELL 5 COMMENTS: GRRV Sundance Unit — J

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	14844 ✓	43-047-36048	FEDERAL 2-9-9-18	NWNE	9	9S	18E	UINTAH	01/19/06	1/26/06

WELL 6 COMMENTS: Sundance Unit — J

ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Kim Kettle
Signature

Production Clerk
Title

January 20, 2006
Date

01/20/2006 14:01 4356463031 INLAND PAGE 02

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
UTU39714

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.
SUNDANCE UNIT

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 5-9-9-18

2. Name of Operator
Newfield Production Company

9. API Well No.
4304735766

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1981 FNL 663 FWL
SW/NW Section 9 T9S R18E

11. County or Parish, State
Uintah,UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☒ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Mandie Crozier

Title
Regulatory Specialist

Signature

Date
01/27/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED
JAN 30 2006
DIV. OF OIL, GAS & MINING

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
UTU39714

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.
SUNDANCE UNIT

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
FEDERAL 5-9-9-18

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4304735766

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1981 FNL 663 FWL
SW/NW Section 9 T9S R18E

11. County or Parish, State
Uintah,UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Weekly Status Report
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 01/10/06 - 01/25/06

Subject well had completion procedures intiated in the Green River formation on 01-10-06 without the use of a service rig over the well. A cement bond log was run and a total of three Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5599'-5609'); Stage #2 (5477'-5485'); Stage #3 (5048'-5063'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 01-20-2006. Bridge plugs were drilled out and well was cleaned to 5839'. Zones were swab tested for sand cleanup. A 1 new 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 01-25-2006.

I hereby certify that the foregoing is true and correct
Name *(Printed/ Typed)*
Lana Nebeker

Title
Production Clerk

Signature

Date
02/08/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
FEB 10 2006
DIV. OF OIL, GAS & MINING

FORM 3160-4
(July 1992)

SUBMIT IN DUPLICATE* (See other instructions ons reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: UTU-39714

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

7. UNIT AGREEMENT NAME: Sundance

8. FARM OR LEASE NAME, WELL NO.: Federal 5-9-9-18

9. WELL NO.: 43-047-35766

10. FIELD AND POOL OR WILDCAT: Eight Mile Flat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 9, T9S, R18E

1a. TYPE OF WORK: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

1b. TYPE OF WELL: NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF RESVR. [ ] Other

2. NAME OF OPERATOR: Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.: 1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.*)
At Surface: 1981' FNL & 663' FWL (SW/NW) Sec. 9, T9S, R18E
At top prod. Interval reported below
At total depth

14. API NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-35766	6/6/04	Uintah	UT

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD
12/19/05	12/30/05	1/25/06	4980' GL	4992' KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
5885'	5839'		------>	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*: Green River 5048'-5609'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED: No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	325'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5883'	7-7/8"	325 sx Premlite II and 425 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 5659'	TA @ 5561'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER
(CP4) 5599'-5609'	.46"	4/40
(CP2) 5477'-5485'	.46"	4/32
(A1) 5048'-5063'	.46"	4/60

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5599'-5609'	Frac w/ 49,454# 20/40 sand in 512 bbls fluid
5477'-5485'	Frac w/ 30,118# 20/40 sand in 400 bbls fluid
5048'-5063'	Frac w/ 128,535# 20/40 sand in 886 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
1/25/06	2-1/2" x 1-1/2" x 14' RHAC SM Plunger Pump	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBLS.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
30 day ave			----->	77	5	76	65

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)
		----->				

RECEIVED
MAR 01 2006
DIV. OF OIL, GAS & MINING

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Sold & Used for Fuel

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED: Mandie Crozier — Regulatory Specialist — 2/27/2006

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			Well Name **Federal 5-9-9-18**

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	3660'	
Garden Gulch 1	3832'	
Garden Gulch 2	3946'	
Point 3 Mkr	4191'	
X Mkr	4427'	
Y-Mkr	4464'	
Douglas Creek Mkr	4598'	
BiCarbonate Mkr	4835'	
B Limestone Mkr	4964'	
Castle Peak	5374'	
Basal Carbonate	5780'	
Total Depth (LOGGERS	5889'	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 WYNKOOP STREET
DENVER, CO 80202-1129
http://www.epa.gov/region8

JUL 2 3 2008

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Eric Sundberg
Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

Re: FINAL Permit
EPA UIC Permit UT21131-07635
Well: Federal 5-9-9-18
Uintah County, UT
API #43-047-35766
9S 18E 9

Dear Mr. Sundberg:

Enclosed is your copy of the FINAL Underground Injection Control (UIC) Permit for the proposed Federal 5-9-9-18 injection well. A Statement of Basis that discusses the conditions and requirements of this EPA UIC Permit, is also included.

The Public Comment period for this Permit ended on JUL 1 1 2008. No comments on the Draft Permit were received during the Public Notice period; therefore the Effective Date for this EPA UIC Permit is the date of issuance. All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect as of the Effective Date of this Permit.

Please note that under the terms and conditions of this Final Permit you are authorized only to construct the proposed injection well. Prior to commencing injection, you first must fulfill all "Prior to Commencing Injection" requirements of the Final Permit, Part II Section C Subpart 1, and obtain written Authorization to Inject from the EPA. It is your responsibility to be familiar with and to comply with all provisions of your Final Permit.

This EPA UIC Permit is issued for the operating life of the well unless terminated (Part III, Section B). The EPA may review this Permit at least every five (5) years to determine whether any action is warranted pursuant to 40 CFR § 144.36(a).

If you have any questions on the enclosed Final Permit or Statement of Basis, please call Bruce Suchomel of my staff at (303) 312-6001, or toll-free at (800) 227-8917, ext. 312-6001.

Sincerely,

Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

enclosure:
Final UIC Permit
Statement of Basis
Form 7520-7 Application to Transfer Permit
Form 7520-11 Monitoring Report
Form 7520-14 Plugging Plan
Form 7520-12 Well Rework Record

cc: Letter Only:

Curtis Cesspooch, Chairman
Uintah & Ouray Business Committee
Ute Indian Tribe

Irene Cuch, Vice-Chairwoman
Uintah & Ouray Business Committee
Ute Indian Tribe

Ronald Groves, Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Steven Cesspooch, Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Phillip Chimburas, Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Frances Poowegup, Councilwoman
Uintah & Ouray Business Committee
Ute Indian Tribe

Chester Mills, Superintendent
U.S. Bureau of Indian Affairs
Uintah & Ouray Indian Agency

All enclosures:

Michael Guinn, District Manager
Newfield Production Company
Myton, UT

Shaun Chapoose, Director
Land Use Department
Ute Indian Tribe

Larry Love, Director
Energy and Minerals Department
Ute Indian Tribe

Elaine Willie, GAP Coordinator
Land Use Department
Ute Indian Tribe

Gilbert Hunt
Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
U.S. Bureau of Land Management
Vernal, UT

EPA

UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT

PREPARED: April 2008

Permit No. UT21131-07635

Class II Enhanced Oil Recovery Injection Well

Federal 5-9-9-18
Uintah County, UT

Issued To

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

Part I. AUTHORIZATION TO CONSTRUCT AND OPERATE

Under the authority of the Safe Drinking Water Act and Underground Injection Control (UIC) Program regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the Code of Federal Regulations (40 CFR) Parts 2, 124, 144, 146, and 147, and according to the terms of this Permit,

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

is authorized to construct and to operate the following Class II injection well or wells:

Federal 5-9-9-18
1,981' FNL, 663' FWL, SWNW S9, T9S, R18E
Uintah County, UT

EPA regulates the injection of fluids into injection wells so that injection does not endanger underground sources of drinking water (USDWs). EPA UIC Permit conditions are based on authorities set forth at 40 CFR Parts 144 and 146, and address potential impacts to USDWs.

Under 40 CFR Part 144, Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General permit conditions for which the content is mandatory and not subject to site-specific differences are not discussed in this document. Issuance of this Permit does not convey any property rights of any sort or any exclusive privilege, nor does it authorize injury to persons or property or invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. (40 CFR §144.35) An EPA UIC Permit may be issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR §§144.39, 144.40 and 144.41, and may be reviewed at least once every five (5) years to determine if action is required under 40 CFR §144.36(a).

This Permit is issued for the life of the well(s) unless modified, revoked and reissued, or terminated under 40 CFR 144.39 or 144.40. This EPA Permit may be adopted, modified, revoked and reissued, or terminated if primary enforcement authority for a UIC Program is delegated to an Indian Tribe or State. Upon the effective date of delegation, reports, notifications, questions and other correspondence should be directed to the Indian Tribe or State Director.

Issue Date: JUL 1 1 2008 Effective Date JUL 2 3 2008

Stephen S. Tuber
Assistant Regional Administrator*
Office of Partnerships and Regulatory Assistance

*NOTE: The person holding this title is referred to as the "Director" throughout this Permit.

PART II. SPECIFIC PERMIT CONDITIONS

Section A. WELL CONSTRUCTION REQUIREMENTS

These requirements represent the approved minimum construction standards for well casing and cement, injection tubing, and packer.

Details of the approved well construction plan are incorporated into this Permit as APPENDIX A. Changes to the approved plan that may occur during construction must be approved by the Director prior to being physically incorporated.

1. Casing and Cement.

The well or wells shall be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water. The well casing and cement shall be designed for the life expectancy of the well and of the grade and size shown in APPENDIX A. Remedial cementing may be required if shown to be inadequate by cement bond log or other attempted demonstration of Part II (External) mechanical integrity.

2. Injection Tubing and Packer.

Injection tubing is required, and shall be run and set with a packer at or below the depth indicated in APPENDIX A. The packer setting depth may be changed provided it remains below the depth indicated in APPENDIX A and the Permittee provides notice and obtains the Director's approval for the change.

3. Sampling and Monitoring Devices.

The Permittee shall install and maintain in good operating condition:

(a) a "tap" at a conveniently accessible location on the injection flow line between the pump house or storage tanks and the injection well, isolated by shut-off valves, for collection of representative samples of the injected fluid; and

(b) one-half (1/2) inch female iron pipe fitting, isolated by shut-off valves and located at the wellhead at a conveniently accessible location, for the attachment of a pressure gauge capable of monitoring pressures ranging from normal operating pressures up to the Maximum Allowable Injection Pressure specified in APPENDIX C:

  (i) on the injection tubing; and

  (ii) on the tubing-casing annulus (TCA); and

(c) a pressure actuated shut-off device attached to the injection flow line set to shut-off the injection pump when or before the Maximum Allowable Injection Pressure (MAIP) specified in APPENDIX C is reached at the wellhead; and

(d) a non-resettable cumulative volume recorder attached to the injection line.

4. Well Logging and Testing

Well logging and testing requirements are found in APPENDIX B. The Permittee shall ensure the log and test requirements are performed within the time frames specified in APPENDIX B. Well logs and tests shall be performed according to current EPA-approved procedures. Well log and test results shall be submitted to the Director within sixty (60) days of completion of the logging or testing activity, and shall include a report describing the methods used during logging or testing and an interpretation of the test or log results.

5. Postponement of Construction or Conversion

The Permittee shall complete well construction within one year of the Effective Date of the Permit, or in the case of an Area Permit within one year of Authorization of the additional well. Authorization to construct and operate shall expire if the well has not been constructed within one year of the Effective Date of the Permit or Authorization and the Permit may be terminated under 40 CFR 144.40, unless the Permittee has notified the Director and requested an extension prior to expiration. Notification shall be in writing, and shall state the reasons for the delay and provide an estimated completion date. Once Authorization has expired under this part, the complete permit process including opportunity for public comment may be required before Authorization to construct and operate may be reissued.

6. Workovers and Alterations

Workovers and alterations shall meet all conditions of the Permit. Prior to beginning any addition or physical alteration to an injection well that may significantly affect the tubing, packer or casing, the Permittee shall give advance notice to the Director and obtain the Director's approval. The Permittee shall record all changes to well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workover, logging, or test data to EPA within sixty (60) days of completion of the activity.

A successful demonstration of Part I MI is required following the completion of any well workover or alteration which affects the casing, tubing, or packer. Injection operations shall not be resumed until the well has successfully demonstrated mechanical integrity and the Director has provided written approval to resume injection.

Section B. MECHANICAL INTEGRITY

The Permittee is required to ensure each injection well maintains mechanical integrity at all times. The Director, by written notice, may require the Permittee to comply with a schedule describing when mechanical integrity demonstrations shall be made.

An injection well has mechanical integrity if:

(a) There is no significant leak in the casing, tubing, or packer (Part I); and

(b) There is no significant fluid movement into an underground source of drinking water through vertical channels adjacent to the injection well bore (Part II).

1. Demonstration of Mechanical Integrity (MI).

The operator shall demonstrate MI prior to commencing injection and periodically thereafter. Well-specific conditions dictate the methods and the frequency for demonstrating MI and are discussed in the Statement of Basis. The logs and tests are designed to demonstrate both internal (Part I) and external (Part II) MI as described above. The conditions present at this well site warrant the methods and frequency required in Appendix B of this Permit.

In addition to these regularly scheduled demonstrations of MI, the operator shall demonstrate internal (Part I) MI after any workover which affects the tubing, packer or casing.

The Director may require additional or alternative tests if the results presented by the operator are not satisfactory to the Director to demonstrate there is no movement of fluid into or between USDWs resulting from injection activity. Results of MI tests shall be submitted to the Director as soon as possible but no later than sixty (60) days after the test is complete.

2. Mechanical Integrity Test Methods and Criteria

EPA-approved methods shall be used to demonstrate mechanical integrity. Ground Water Section Guidance No. 34 "Cement Bond Logging Techniques and Interpretation", Ground Water Section Guidance No. 37, "Demonstrating Part II (External) Mechanical Integrity for a Class II injection well permit", and Ground Water Section Guidance No. 39, "Pressure Testing Injection Wells for Part I (Internal) Mechanical Integrity" are available from EPA and will be provided upon request.

The Director may stipulate specific test methods and criteria best suited for a specific well construction and injection operation.

3. Notification Prior to Testing.

The Permittee shall notify the Director at least 30 days prior to any scheduled mechanical integrity test. The Director may allow a shorter notification period if it would be sufficient to enable EPA to witness the mechanical integrity test. Notification may be in the form of a yearly or quarterly schedule of planned mechanical integrity tests, or it may be on an individual basis.

4. Loss of Mechanical Integrity.

If the well fails to demonstrate mechanical integrity during a test, or a loss of mechanical integrity becomes evident during operation (such as presence of pressure in the TCA, water flowing at the surface, etc.), the Permittee shall notify the Director within 24 hours (see Part III Section E Paragraph 11(e) of this Permit) and the well shall be shut-in within 48 hours unless the Director requires immediate shut-in.

Within five days, the Permittee shall submit a follow-up written report that documents test results, repairs undertaken or a proposed remedial action plan.

Injection operations shall not be resumed until after the well has successfully been repaired and demonstrated mechanical integrity, and the Director has provided approval to resume injection.

Section C. WELL OPERATION

INJECTION BETWEEN THE OUTERMOST CASING PROTECTING UNDERGROUND SOURCES OF DRINKING WATER AND THE WELL BORE IS PROHIBITED.

Injection is approved under the following conditions:

1. Requirements Prior to Commencing Injection.

Well injection, including for new wells authorized by an Area Permit under 40 CFR 144.33 (c), may commence only after all well construction and pre-injection requirements herein have been met and approved. The Permittee may not commence injection until construction is complete, and

(a) The Permittee has submitted to the Director a notice of completion of construction and a completed EPA Form 7520-10 or 7520-12; all applicable logging and testing requirements of this Permit (see APPENDIX B) have been fulfilled and the records submitted to the Director; mechanical integrity pursuant to 40 CFR 146.8 and Part II Section B of this Permit has been demonstrated; and

(i) The Director has inspected or otherwise reviewed the new injection well and finds it is in compliance with the conditions of the Permit; or

(ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well within 13 days of the date of the notice in Paragraph 1a, in which case prior inspection or review is waived and the Permittee may commence injection.

2. Injection Interval.

Injection is permitted only within the approved injection interval, listed in APPENDIX C. Additional individual injection perforations may be added provided that they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6.

3. Injection Pressure Limitation

(a) The permitted Maximum Allowable Injection Pressure (MAIP), measured at the wellhead, is found in APPENDIX C. Injection pressure shall not exceed the amount the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs. In no case shall injection pressure cause the movement of injection or formation fluids into a USDW.

(b) The Permittee may request a change of the MAIP, or the MAIP may be increased or decreased by the Director in order to ensure that the requirements in Paragraph (a) above are fulfilled. The Permitee may be required to conduct a step rate injection test or other suitable test to provide information for determining the fracture pressure of the injection zone. Change of the permitted MAIP by the Director shall be by modification of this Permit and APPENDIX C.

4. Injection Volume Limitation.

Injection volume is limited to the total volume specified in APPENDIX C.

5. Injection Fluid Limitation.

Injected fluids are limited to those identified in 40 CFR 144.6(b)(2) as fluids used for enhanced recovery of oil or natural gas, including those which are brought to the surface in connection with conventional oil or natural gas production that may be commingled with waste waters from gas plants which are an integral part of production operations unless those waters are classified as a hazardous waste at the time of injection, pursuant to 40 CFR 144.6(b). Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are NOT approved for injection. This well is NOT approved for commercial brine injection, industrial waste fluid disposal or injection of hazardous waste as defined by CFR 40 Part 261. The Permittee shall provide a listing of the sources of injected fluids in accordance with the reporting requirements in Part II Section D Paragraph 4 and APPENDIX D of this Permit.

6. Tubing-Casing Annulus (TCA)

The tubing-casing annulus (TCA) shall be filled with water treated with a corrosion inhibitor, or other fluid approved by the Director. The TCA valve shall remain closed during normal operating conditions and the TCA pressure shall be maintained at zero (0) psi.

If TCA pressure cannot be maintained at zero (0) psi, the Permittee shall follow the procedures in Ground Water Section Guidance No. 35 "Procedures to follow when excessive annular pressure is observed on a well."

Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS

1. Monitoring Parameters, Frequency, Records and Reports.

Monitoring parameters are specified in APPENDIX D. Pressure monitoring recordings shall be taken at the wellhead. The listed parameters are to be monitored, recorded and reported at the frequency indicated in APPENDIX D even during periods when the well is not operating.

Monitoring records must include:

(a) the date, time, exact place and the results of the observation, sampling, measurement, or analysis, and;

(b) the name of the individual(s) who performed the observation, sampling, measurement, or analysis, and;

(c) the analytical techniques or methods used for analysis.

2. Monitoring Methods.

(a) Monitoring observations, measurements, samples, etc. taken for the purpose of complying with these requirements shall be representative of the activity or condition being monitored.

(b) Methods used to monitor the nature of the injected fluids must comply with analytical methods cited and described in Table 1 of 40 CFR 136.3 or Appendix III of 40 CFR 261, or by other methods that have been approved in writing by the Director.

(c) Injection pressure, annulus pressure, injection rate, and cumulative injected volumes shall be observed and recorded at the wellhead under normal operating conditions, and all parameters shall be observed simultaneously to provide a clear depiction of well operation.

(d) Pressures are to be measured in pounds per square inch (psi).

(e) Fluid volumes are to be measured in standard oil field barrels (bbl).

(f) Fluid rates are to be measured in barrels per day (bbl/day).

3. Records Retention.

(a) Records of calibration and maintenance, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained for a period of AT LEAST THREE (3) YEARS from the date of the sample, measurement, report, or application. This period may be extended anytime prior to its expiration by request of the Director.

(b) Records of the nature and composition of all injected fluids must be retained until three (3) years after the completion of any plugging and abandonment (P&A) procedures specified under 40 CFR 144.52(a)(6) or under Part 146 Subpart G, as appropriate. The Director may require the Permittee to deliver the records to the Director at the conclusion of the retention period. The Permittee shall continue to retain the records after the three (3) year retention period unless the Permittee delivers the records to the Director or obtains written approval from the Director to discard the records.

(c) The Permittee shall retain records at the location designated in APPENDIX D.

4. Annual Reports.

Whether the well is operating or not, the Permittee shall submit an Annual Report to the Director that summarizes the results of the monitoring required by Part II Section D and APPENDIX D.

The first Annual Report shall cover the period from the effective date of the Permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31 of the reporting year. Annual Reports shall be submitted by February 15 of the year following data collection. EPA Form 7520-11 may be copied and shall be used to submit the Annual Report, however, the monitoring requirements specified in this Permit are mandatory even if EPA Form 7520-11 indicates otherwise.

Section E. PLUGGING AND ABANDONMENT

1. Notification of Well Abandonment, Conversion or Closure.

The Permittee shall notify the Director in writing at least forty-five (45) days prior to: 1) plugging and abandoning an injection well, 2) converting to a non-injection well, and 3) in the case of an Area Permit, before closure of the project.

2. Well Plugging Requirements

Prior to abandonment, the injection well shall be plugged with cement in a manner which isolates the injection zone and prevents the movement of fluids into or between underground sources of drinking water, and in accordance with 40 CFR 146.10 and other applicable Federal, State or local law or regulations. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. Prior to placement of the cement plug(s) the well shall be in a state of static equilibrium with the mud weight equalized top to bottom, either by circulating the mud in the well at least once or by a comparable method prescribed by the Director.

3. Approved Plugging and Abandonment Plan.

The approved plugging and abandonment plan is incorporated into this Permit as APPENDIX E. Changes to the approved plugging and abandonment plan must be approved by the Director prior to beginning plugging operations. The Director also may require revision of the approved plugging and abandonment plan at any time prior to plugging the well.

4. Forty Five (45) Day Notice of Plugging and Abandonment.

The Permittee shall notify the Director at least forty-five (45) days prior to plugging and abandoning a well and provide notice of any anticipated change to the approved plugging and abanonment plan.

5. Plugging and Abandonment Report.

Within sixty (60) days after plugging a well, the Permittee shall submit a report (EPA Form 7520-13) to the Director. The plugging report shall be certified as accurate by the person who performed the plugging operation. Such report shall consist of either:

(a) A statement that the well was plugged in accordance with the approved plugging and abandonment plan; or

(b) Where actual plugging differed from the approved plugging and abandonment plan, an updated version of the plan, on the form supplied by the Director, specifying the differences.

6. Inactive Wells.

After any period of two years during which there is no injection the Permittee shall plug and abandon the well in accordance with Part II Section E Paragraph 2 of this Permit unless the Permittee:

(a) Provides written notice to the Director;

(b) Describes the actions or procedures the Permittee will take to ensure that the well will not endanger USDWs during the period of inactivity. These actions and procedures shall include compliance with mechanical integrity demonstration, Financial Responsibility and all other permit requirements designed to protect USDWs; and

(c) Receives written notice by the Director temporarily waiving plugging and abandonment requirements.

PART III. CONDITIONS APPLICABLE TO ALL PERMITS

Section A. EFFECT OF PERMIT

The Permittee is allowed to engage in underground injection in accordance with the conditions of this Permit. The Permittee shall not construct, operate, maintain, convert, plug, abandon, or conduct any other activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR 142 or may otherwise adversely affect the health of persons. Any underground injection activity not authorized by this Permit or by rule is prohibited. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of any other Federal, State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA) or any other law governing protection of public health or the environment, for any imminent and substantial endangerment to human health or the environment, nor does it serve as a shield to the Permittee's independent obligation to comply with all UIC regulations. Nothing in this Permit relieves the Permittee of any duties under applicable regulations.

Section B. CHANGES TO PERMIT CONDITIONS

1. Modification, Reissuance, or Termination.

The Director may, for cause or upon a request from the Permittee, modify, revoke and reissue, or terminate this Permit in accordance with 40 CFR 124.5, 144.12, 144.39, and 144.40. Also, this Permit is subject to minor modification for causes as specified in 40 CFR 144.41. The filing of a request for modification, revocation and reissuance, termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any condition of this Permit.

2. Conversions.

The Director may, for cause or upon a written request from the Permittee, allow conversion of the well from a Class II injection well to a non-Class II well. Conversion may not proceed until the Permittee receives written approval from the Director. Conditions of such conversion may include but are not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, well-specific monitoring and reporting following the conversion, and demonstration of practical use of the converted configuration.

3. Transfer of Permit.

Under 40 CFR 144.38, this Permit is transferable provided the current Permittee notifies the Director at least thirty (30) days in advance of the proposed transfer date (EPA Form 7520-7) and provides a written agreement between the existing and new Permittees containing a specific date for transfer of Permit responsibility, coverage and liability between them. The notice shall adequately demonstrate that the financial responsibility requirements of 40 CFR 144.52(a)(7) will be met by the new Permittee. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the Safe Drinking Water Act; in some cases, modification or revocation and reissuance is mandatory.

4. Permittee Change of Address.

Upon the Permittee's change of address, or whenever the operator changes the address where monitoring records are kept, the Permittee must provide written notice to the Director within 30 days.

5. Construction Changes, Workovers, Logging and Testing Data

The Permittee shall give advance notice to the Director, and shall obtain the Director's written approval prior to any physical alterations or additions to the permitted facility. Alterations or workovers shall meet all conditions as set forth in this permit. The Permittee shall record any changes to the well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workovers, logging , or test data to EPA within sixty (60) days of completion of the activity.

Following the completion of any well workovers or alterations which affect the casing, tubing, or packer, a successful demonstration of mechanical integrity (Part III, Section F of this Permit) shall be made, and written authorization from the Director received, prior to resuming injection activities.

Section C. SEVERABILITY

The Provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit shall not be affected thereby.

Section D. CONFIDENTIALITY

In accordance with 40 CFR Part 2 and 40 CFR 144.5, information submitted to EPA pursuant to this Permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). Claims of confidentiality for the following information will be denied:

- The name and address of the Permittee, and
- information which deals with the existence, absence or level of contaminants in drinking water.

Section E. GENERAL PERMIT REQUIREMENTS

1. Duty to Comply.

The Permittee must comply with all conditions of this Permit. Any noncompliance constitutes a violation of the Safe Drinking Water Act (SDWA) and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application; except that the Permittee need not comply with the provisions of this Permit to the extent and for the duration such noncompliance is authorized in an emergency permit under 40 CFR 144.34. All violations of the SDWA may subject the Permittee to penalties and/or criminal prosecution as specified in Section 1423 of the SDWA.

2. Duty to Reapply.

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, under 40 CFR 144.37 the Permittee must apply for a new permit prior to the expiration date.

3. Need to Halt or Reduce Activity Not a Defense.

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

4. Duty to Mitigate.

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit.

5. Proper Operation and Maintenance.

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Permit.

6. Permit Actions.

This Permit may be modified, revoked and reissued or teminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

7. Property Rights.

This Permit does not convey any property rights of any sort, or any exclusive privilege.

8. Duty to Provide Information.

The Permittee shall furnish to the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit. The Permittee is required to submit any information required by this Permit or by the Director to the mailing address designated in writing by the Director.

9. Inspection and Entry.

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

(a) Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;

(c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and,

(d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

10. Signatory Requirements.

All applications, reports or other information submitted to the Director shall be signed and certified according to 40 CFR 144.32. This section explains the requirements for persons duly authorized to sign documents, and provides wording for required certification.

11. Reporting Requirements.

(a) Planned changes. The Permittee shall give notice to the Director as soon as possible of any planned changes, physical alterations or additions to the permitted facility, and prior to commencing such changes.

(b) Anticipated noncompliance. The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

(c) Monitoring Reports. Monitoring results shall be reported at the intervals specified in this Permit.

(d) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.

(e) Twenty-four hour reporting. The Permittee shall report to the Director any noncompliance which may endanger human health or the environment, including:

(i) Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW; or

(ii) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.

Information shall be provided, either directly or by leaving a message, within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning (800) 227-8917 and requesting EPA Region VIII UIC Program Compliance and Technical Enforcement Director, or by contacting the EPA Region VIII Emergency Operations Center at (303) 293-1788.

In addition, a follow up written report shall be provided to the Director within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

(f) Oil Spill and Chemical Release Reporting: The Permittee shall comply with all reporting requirements related to the occurence of oil spills and chemical releases by contacting the National Response Center (NRC) at (800) 424-8802, (202) 267-2675, or through the NRC website http://www.nrc.uscg.mil/index.htm.

(g) Other Noncompliance. The Permittee shall report all instances of noncompliance not reported under paragraphs Part III, Section E Paragraph 11(b) or Section E, Paragraph 11(e) at the time the monitoring reports are submitted. The reports shall contain the information listed in Paragraph 11(e) of this Section.

(h) Other information. Where the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such facts or information to the Director.

Section F. FINANCIAL RESPONSIBILITY

1. Method of Providing Financial Responsibility.

The Permittee shall maintain continuous compliance with the requirement to maintain financial responsibility and resources to close, plug, and abandon the underground injection well(s). No substitution of a demonstration of financial responsibility shall become effective until the Permittee receives written notification from the Director that the alternative demonstration of financial responsibility is acceptable. The Director may, on a periodic basis, require the holder of a permit to revise the estimate of the resources needed to plug and abandon the well to reflect changes in such costs and may require the Permittee to provide a revised demonstration of financial responsibility.

2. Insolvency.

In the event of:

(a) the bankruptcy of the trustee or issuing institution of the financial mechanism; or

(b) suspension or revocation of the authority of the trustee institution to act as trustee; or

(c) the institution issuing the financial mechanism losing its authority to issue such an instrument

the Permittee must notify the Director in writing, within ten (10) business days, and the Permittee must establish other financial assurance or liability coverage acceptable to the Director within sixty (60) days after any event specified in (a), (b), or (c) above.

The Permittee must also notify the Director by certified mail of the commencement of voluntary or involuntary proceedings under Title 11 (Bankruptcy), U.S. Code naming the owner or operator as debtor, within ten (10) business days after the commencement of the proceeding. A guarantor, if named as debtor of a corporate guarantee, must make such a notification as required under the terms of the guarantee.

APPENDIX A

WELL CONSTRUCTION REQUIREMENTS

See diagram.

The Federal No. 5-9-9-18 was drilled to a depth of 5875 feet (KB) in the Basal Carbonate Member of the Green River Formation.

Surface Casing (8-5/8") was set to a depth of 325' in a 12-1/4" hole using 160 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2") was set at a depth of 5883' (KB) in a 7-7/8" hole with 325 sacks of Premium Lite II and 425 sacks of 50/50 POZ mix. This well construction is considered adequate to protect USDWs.

The EPA calculates the top of cement as 1,014 feet from the surface. The Cement Bond Log (CBL) identifies the top of cement at 250'. CBL analysis identifies adequate 80% bond index within the confining zone.

The schematic diagram shows enhanced recovery injection perforations in the Douglas Creek Member of the Green River Formation. Additional perforations may be added at a later time between the depths of 3660 feet and the top of the Wasatch Formation (estamated to be 5905 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and a schematic diagram.

The packer will be set no higher than 100 feet above the top perforation.

Federal 5-9-9-18

Spud Date: 12-19-05
Put on Production: 01-25-06
GL: 4980' KB: 4992'

Proposed Injection
Wellbore Diagram

Initial Production: BOPD,
MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (312.88')
DEPTH LANDED: 324.73' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

Cement top @ 250'

325

Pub 92 Base USDW 392

EPA TOC 1014

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 139 jts. (5870.24')
DEPTH LANDED: 5883.49' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
CEMENT TOP AT: 250'

3390

80% Bond

3673

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 175 jts (5549.42')
TUBING ANCHOR: 5561.42' KB
NO. OF JOINTS: 1 jts (31.75')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5595.97' KB
NO. OF JOINTS: 2 jts (61.36')
TOTAL STRING LENGTH: EOT @ 5658.88' KB

FRAC JOB

01-19-06 5599-5609' **Frac CP4 sands as follows:** 49454# 20/40 sand in 512 bbls Lightning 17 frac fluid. Treated @ avg press of 1514 psi w/avg rate of 25 BPM. ISIP 1480 psi. Calc flush: 5597 gal. Actual flush: 5078 gal.

01-19-06 5477-5485' **Frac CP2 sands as follows:** 30118# 20/40 sand in 400 bbls Lightning 17 frac fluid. Treated @ avg press of 1165 psi w/avg rate of 25.2 BPM. ISIP 1400 psi. Calc flush: 5475 gal. Actual flush: 4648 gal.

01-20-06 5048-5063' **Frac B1 sands as follows:** 128535# 20/40 sand in 886 bbls Lightning 17 frac fluid. Treated @ avg press of 1692 psi w/avg rate of 24.9 BPM. ISIP 2100 psi. Calc flush: 5046 gal. Actual flush: 4914 gal.

1333 Green River

2845 Trona - Bird's Nest

2886 Mahogany Bench

MB 2903

3635 Green River Shale — confining

3660 Garden Gulch (GG) Zone

Inj. Zone:
Top of GG down to top of Wasatch.

4598 Douglas Creek

Packer @ 5013'

5048-5063'

5477-5485'

5599-5609'

5780 Basal Carbonate (BC)

PBTD @ 5839' Plug-back total depth

TD @ 5875'

SHOE @ 5883'

5905 Wasatch (est.) 125' below BC

PERFORATION RECORD

01-10-06	5599-5609'	4 JSPF	40 holes
01-19-06	5477-5485'	4 JSPF	32 holes
01-20-05	5048-5063'	4 JSPF	60 holes

NEWFIELD

Federal 5-9-9-18

1981' FNL & 663' FWL

SW/NW Section 9-T9S-R18E

Uintah Co, Utah

API #43-047-35766; Lease #UTU-39714

MC 1/23/07

APPENDIX B

LOGGING AND TESTING REQUIREMENTS

Logs.
Logs will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well logging required as a condition of this permit.

NO LOGGING REQUIREMENTS

Tests.
Tests will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well test required as a condition of this permit.

WELL NAME: Federal 5-9-9-18

TYPE OF TEST	DATE DUE
Pore Pressure	Prior to receiving authorization to begin injection.
Standard Annulus Pressure	Prior to receiving authorization to inject and at least once every five years after the last successful demonstration of Part I Mechanical Integrity.

APPENDIX C

OPERATING REQUIREMENTS

MAXIMUM ALLOWABLE INJECTION PRESSURE:

Maximum Allowable Injection Pressure (MAIP) as measured at the surface shall not exceed the pressure(s) listed below.

	MAXIMUM ALLOWED INJECTION PRESSURE (psi)
WELL NAME	ZONE 1 (Upper)
Federal 5-9-9-18	1,260

INJECTION INTERVAL(S):

Injection is permitted only within the approved injection interval listed below. Injection perforations may be altered provided they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6. Specific injection perforations can be found in Appendix A.

WELL NAME: Federal 5-9-9-18

	APPROVED INJECTION INTERVAL (KB, ft)		FRACTURE GRADIENT
FORMATION NAME	TOP	BOTTOM	(psi/ft)
Green River	3,660.00	5,905.00	0.690

ANNULUS PRESSURE:

The annulus pressure shall be maintained at zero (0) psi as measured at the wellhead. If this pressure cannot be maintained, the Permittee shall follow the procedures listed under Part II, Section C. 6. of this permit.

MAXIMUM INJECTION VOLUME:

There is no limitation on the number of barrels per day (bbls/day) of water that shall be injected into this well, provided further that in no case shall injection pressure exceed that limit shown in Appendix C.

APPENDIX D

MONITORING AND REPORTING PARAMETERS

This is a listing of the parameters required to be observed, recorded, and reported. Refer to the permit Part II, Section D, for detailed requirements for observing, recording, and reporting these parameters.

OBSERVE MONTHLY AND RECORD AT LEAST ONCE EVERY THIRTY DAYS	
OBSERVE AND RECORD	Injection pressure (psig)
	Annulus pressure(s) (psig)
	Injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbls)

ANNUALLY	
ANALYZE	Injected fluid total dissolved solids (mg/l)
	Injected fluid specific gravity
	Injected fluid specific conductivity
	Injected fluid pH

ANNUALLY	
REPORT	Each month's maximum and averaged injection pressures (psig)
	Each month's maximum and minimum annulus pressure(s) (psig)
	Each month's injected volume (bbl)
	Fluid volume injected since the well began injecting (bbl)
	Written results of annual injected fluid analysis
	Sources of all fluids injected during the year

In addition to these items, additional Logging and Testing results may be required periodically. For a list of those items and their due dates, please refer to APPENDIX B - LOGGING AND TESTING REQUIREMENTS.

Records of all monitoring activities must be retained and made available for inspection at the following location:

APPENDIX E

PLUGGING AND ABANDONMENT REQUIREMENTS

See diagram.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs, and in compliance with other federal, state, and local regulations. Tubing, packer, and other downhole apparatus shall be removed. Cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG 1: Seal injection zone: Set a Cast Iron Bridge Plug (CIBP) no more than 50 ft above the top perforation. Place at least 20 ft of cement on top of the CIBP.

PLUG 2: Seal Mahogany Shale and Trona intervals: Squeeze a cement plug on the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale at approximately 2,795 to 2,953 ft (unless preexisting backside cement precludes cement-squeezing this interval) followed by a minimum 150 ft balanced cement plug inside the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale, approximately 2,795 to 2,953 ft.

PLUG 3: Seal USDWs: Squeeze a cement plug at approximately 1,333 ft on the backside of the 5-1/2 inch casing across the base of the Uinta/Top of the Green River Formation (unless pre-existing backside cement precludes cement-squeezing this interval), followed by a minimum 100 ft balanced cement plug inside the 5-1/2 inch casing across the base of the Uinta/Top of the Green River Formation, with the mid-contact point set at approximately 1,333 ft., with the cement encompassing the depths of approximately 1,283 to 1,383 ft.

PLUG 4: Seal surface: Set a Class G cement plug within the 5-1/2 inch casing to 375 ft and up the 5-1/2 inch by 8-5/8 inch casings annulus to surface.

Attachment Q-2

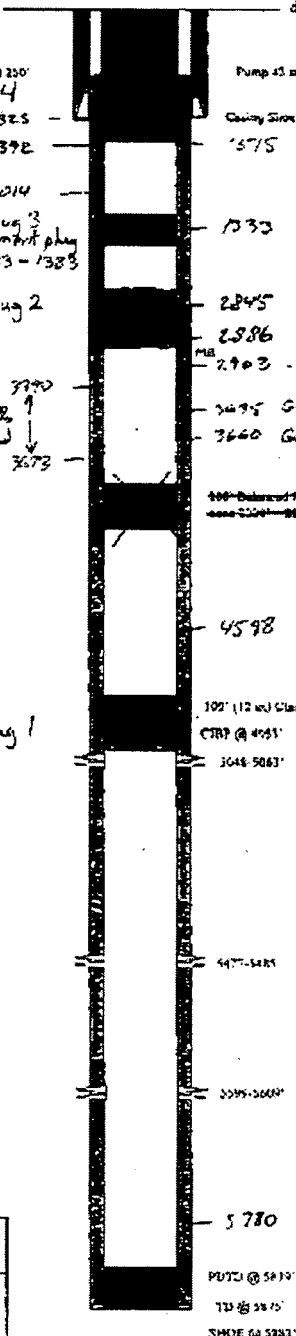
UT 21131-07635

Spud Date: 12-19-05
Put on Production: 01-25-06
GL: 4980' KB: 4992'

Federal 5-9-9-18

Plugging & Abandonment Diagram

Proposed P & A
Wellbore Diagram



NEWFIELD

Federal 5-9-9-18
1981' FNL & 663' FWL
SW/NW Section 9-T9S-R18E
Uintah Co, Utah
API: 43-047-35766, Lease #UTU-39714

UT21131-07635_P&A.bmp

APPENDIX F

CORRECTIVE ACTION REQUIREMENTS

No corrective action is deemed necessary for this project.

STATEMENT OF BASIS

NEWFIELD PRODUCTION COMPANY
FEDERAL 5-9-9-18
UINTAH COUNTY, UT

EPA PERMIT NO. UT21131-07635

CONTACT: Bruce Suchomel
U. S. Environmental Protection Agency
Ground Water Program, 8P-W-GW
1595 Wynkoop Street
Denver, Colorado 80202-1129
Telephone: 1-800-227-8917 ext. 312-6001

This STATEMENT OF BASIS gives the derivation of site-specific UIC Permit conditions and reasons for them. Referenced sections and conditions correspond to sections and conditions in the Permit.

EPA UIC permits regulate the injection of fluids into underground injection wells so that the injection does not endanger underground sources of drinking water. EPA UIC permit conditions are based upon the authorities set forth in regulatory provisions at 40 CFR Parts 144 and 146, and address potential impacts to underground sources of drinking water. Under 40 CFR 144.35 Issuance of this permit does not convey any property rights of any sort or any exclusive privilege, nor authorize injury to persons or property of invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. Under 40 CFR 144 Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General Permit conditions for which the content is mandatory and not subject to site-specific differences (40 CFR Parts 144, 146 and 147) are not discussed in this document.

Upon the Effective Date when issued, the Permit authorizes the construction and operation of injection wells so that the injection does not endanger underground sources of drinking water, governed by the conditions specified in the Permit. The Permit is issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR 144.39, 144.40 and 144.41. The Permit is subject to EPA review at least once every five (5) years to determine if action is required under 40 CFR 144.36(a).

PART I. General Information and Description of Facility

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

on

March 5, 2007

submitted an application for an Underground Injection Control (UIC) Program Permit or Permit Modification for the following injection well or wells:

Federal 5-9-9-18
1,981' FNL, 663' FWL, SWNW S9, T9S, R18E
Uintah County, UT

Regulations specific to Uintah-Ouray Indian Reservation injection wells are found at 40 CFR 147 Subpart TT.

The application, including the required information and data necessary to issue or modify a UIC Permit in accordance with 40 CFR Parts 144, 146 and 147, was reviewed and determined by EPA to be complete.

The Permit will expire upon delegation of primary enforcement responsibility (primacy) for applicable portions of the UIC Program to the Ute Indian Tribe or the State of Utah unless the delegated agency has the authority and chooses to adopt and enforce this Permit as a Tribal or State Permit.

TABLE 1.1 shows the status of the well or wells as "New", "Existing", or "Conversion" and for Existing shows the original date of injection operation. Well authorization "by rule" under 40 CFR Part 144 Subpart C expires automatically on the Effective Date of an issued UIC Permit.

The Greater Boundary Federal No. 5-9-9-18 is currently an active Garden Gulch and Douglas Creek Members oil well. The applicant intends to convert this facility to a Class II enhanced recovery injection well.

TABLE 1.1

WELL STATUS / DATE OF OPERATION

NEW WELLS

Well Name	Well Status	Date of Operation
Federal 5-9-9-18	New	N/A

PART II. Permit Considerations (40 CFR 146.24)

Hydrogeologic Setting

Water wells for domestic supply in this area, when present, generally are completed into the shallow alluvium, the Duchesne River Formation, or the underlying Uinta Formation, and the water generally contains approximately 500 to 1,500 mg/l and higher total dissolved solids.

The Uinta-Animas aquifer in the Uinta Basin is present in water-yielding beds of sandstone, conglomerate, and siltstone of the Duchesne River and Uinta Formations, the Renegade Tongue of the Wasatch Formation, and the Douglas Creek Member of the Green River Formation. The Renegade Tongue of the Wasatch Formationand the Douglas Creek Member of the Green River folrmation contain an aquifer along the southern and eastern margins of the basin where the rocks primarily consist of fluvial, massive, irregularly bedded sandstone and siltstone. Water-yielding units in the Uinta-Animas aquifer in the Uinta Basin commonly are separated from each other and from the underlying Mesaverde aquifer by units of low permeability composed of claystone, shale, marlstone, or limestone. In the Uinta Basin, for example, the part of the aquifer in the Duchesne River and Uinta formations ranges in thickness from 0 feet at the southern margin of the aquifer to as much as 9,000 feet in the north-central part of the aquifer. Ground-water recharge to the Uinta-Animas aquifer generally occurs in the areas of higher altitude along the margins of the basin. Ground water is discharged mainly to streams, springs, and by transpiration from vegetation growing along stream valleys. The rate of ground-water withdrawal is small, and natural discharge is approximately equal to recharge. Recharge occurs near the southern margin of aquifer, and discharge occurs near the White and Green Rivers (from USGS publication H 730-C). Water samples from Mesaverde sands in the nearby Natural Buttes Unit yielded highly saline water.

Geologic Setting (TABLE 2.1)

The proposed enhanced oil recovery injection well is located in the Greater Monument Butte Field, T9S and R18E, which lies near the center of the broad, gently northward dipping south flank of the Uinta Basin. More than 450 million barrels of oil (63MT) have been produced from sediments of the Uinta Basin. The Uinta Basin is a topographic and structural trough encompassing an area of more than 9,300 square miles (14,900 sq. km) in northeast Utah. The basin is sharply assymetrical, with a steep north flank bounded by the east-west-trending Uinta Mountains, and a gently dipping south flank. The Uinta Basin was formed in Paleocene to Eocene time, creating a large area of internal drainage which was filled by the ancestral Lake Uinta. The lacustrine, or fresh water lake-formed, sediments deposited in and around Lake Uinta make up the Uintah and Green River Formations. The southern shore of Lake Uinta was very broad and flat, resulting in large cyclic shifts of the location of the shoreline during the many repeated transgressive and regressive cycles caused by the clamatic and tectonic-induced rise and fall of water levels of the lake. Distributary-mouth bars, distributary channels, and near-shore bars are the primary oil producing sandstone reservoirs in the area. (Ref: "Reservoir Characterization of the Lower Green River Formation, Southwest Uinta Basin, Utah Biannual Technical Progress Report, 4/1/99-9/30/99", by C.D. Morgan, Program Manager, November 1999, Contract DE-AC26-98BC15103).

The Duchesne River Formation is absent in this area. Shale and siltstone of the Uinta Formation outcrop and compose the surface rock throughout the area. The lower 600 ft. to 800 ft. of the Uinta Formation, Consisting generally of shale interbedded with occasionally water-bearing sandstone lenses between 5 ft to 20 ft thick, is underlain by the Green River Formation. The Green River Formation is further subdivided into several Member and local marker units. The cyclic nature of Green River deposition in the southern shore area resulted in numerous stacked, intertonguing deltaic and near-shore sand and silt deposits. Red alluvial shale and siltstone deposits that intertongue with the Green River sediments are of the Colton and Wasatch

Formations. Under the Wasatch Formation is the Mesaverde Formation, which consists primarily of continental-origin deposits of interbedded shale, sandstone, and coal.

The geologic dip is about 200'/mile, and there are no known surface faults in this area. Veins of gilsonite, a natural resinous hydrocarbon occasionally mined as a resource, occurs in the greater Uintah Basin though it is predominantly found on the eastern margin of the basin near the Colorado border. Vertical veins, generally between 2 ft to 6 ft wide but up to 28 ft wide, may extend many miles in length and occasionally extend as deep as 2, 000 ft. In this area within the Greater Monument Butte Field there is one known gilsonite vein. This vein is not considered to present a pathway for migration of fluid out of the injection zone because it terminates at depth of about 2,000 ft, far above the protective confining layer and much deeper injection zone. Newfield and the owner of this former gilsonite mine have agreed to conditions for operation near this vein to ensure no potential for impact to this vein or to ground water from enhanced oil recovery operations.

Throughout the Greater Monument Butte Field area undergoing enhanced oil recovery operations, water analyses of the Green River Formation generally exhibit Total Dissolved Solids (TDS) content well in excess of 10,000 mg/l. However, some recent water analyses from the field showed lower TDS values closer to 10,000 mg/l. While rain and surface water recharge into Green River Formation outcrops further south along the Book Cliffs/Roan Cliffs in effect "freshens" the Green River Formation water near those outcrops, in this area of the Monument Butte Field the observed occasional "freshening" is ascribed to the effective dilution of the originally in-place high TDS water from injection of relatively fresh water for enhanced oil recovery operations. Water samples from deeper Mesaverde Formation sands in the nearby Natural Buttes Unit yield highly saline water.

TABLE 2.1
GEOLOGIC SETTING
Federal 5-9-9-18

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Lithology
Uinta	0	1,333	< 10,000	Predominantly lenticular fluvial sand and shale with minor lacustrine carbonates
Green River	1,333	5,905		
Green River: Trona-Bird's Nest	2,845	2,886		Sodium carbonate
Green River: Mahogany Bench	2,886	2,903		Oil shale
Green River Shale	3,635	3,660		Shale
Green River: Garden Gulch Member	3,660	4,598	36,760	Lacustrine sand, shale, carbonate, interbedded with fluvial sandstone
Green River: Douglas Creek	4,598	5,780	36,760	Interbedded sand, shale, and limestone
Green River: Basal Carbonate	5,780	5,905		Limestone

Proposed Injection Zone(s) (TABLE 2.2)

An injection zone is a geological formation, group of formations, or part of a formation that receives fluids through a well. The proposed injection zones are listed in TABLE 2.2.

Injection will occur into an injection zone that is separated from USDWs by a confining zone which is free of known open faults or fractures within the Area of Review.

The approved interval for enhanced recovery injection is located between the top of the Garden Gulch Member (3660 feet) and the top of the Wasatch Formation (estimated to be 5905 feet).

TABLE 2.2
INJECTION ZONES
Federal 5-9-9-18

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Fracture Gradient (psi/ft)	Porosity	Exempted?*
Green River	3,660	5,905	> 10,000	0.690		N/A

* **C - Currently Exempted**
E - Previously Exempted
P - Proposed Exemption
N/A - Not Applicable

Confining Zone(s) (TABLE 2.3)

A confining zone is a geological formation, part of a formation, or a group of formations that limits fluid movement above the injection zone. The confining zone or zones are listed in TABLE 2.3.

TABLE 2.3
CONFINING ZONES
Federal 5-9-9-18

Formation Name	Formation Lithology	Top (ft)	Base (ft)
Green River	Shale	3,635	3,660

Underground Sources of Drinking Water (USDWs) (TABLE 2.4)

Aquifers or the portions thereof which contain less than 10,000 mg/l total dissolved solids (TDS) and are being or could in the future be used as a source of drinking water are considered to be USDWs. The USDWs in the area of this facility are identified in TABLE 2.4.

Throughout the Greater Monument Butte Field area undergoing enhanced oil recovery operations, water analyses of the Green River Formation generally exhibit Total Dissolved Solids (TDS) content well in excess of 10,000 mg/l. However, some recent water analyses from the field showed lower TDS values closer to 10,000 mg/l. While rain and surface water recharge into Green River Formation outcrops further south along the Book Cliffs/Roan Cliffs in effect "freshens" the Green River Formation water near those outcrops, in this area of the Monument Butte Field the observed occasional "freshening" is ascribed to the effective dilution of the originally in-place high TDS water from injection of relatively fresh water for enhanced oil recovery operations. Water samples from deeper Mesaverde Formation sands in the nearby Natural Buttes Unit yield highly

saline water.

The State of Utah "Water Wells and Springs" identifies no public water supply wells within the one-quarter (1/4) mile Area of Review (AOR) around the Federal 5-9-9-18.

Technical Publication No. 92: State of Utah, Department of Natural Resources, cites the base of Underground Sources of Drinking Water (USDW) in the Uinta Formation approximately 392 feet from the surface. However, absent definitive information relative to the water quality of the Uinta Formation, from the depth of 392 feet to the base of the Uinta Formation (1333 feet), the EPA will require, during plugging and abandonment, a cement plug at the base of the Uinta Formation to protect contamination of possible Uinta USDWs.

TABLE 2.4
UNDERGROUND SOURCES OF DRINKING WATER (USDW)
Federal 5-9-9-18

Formation Name	Formation Lithology	Top (ft)	Base (ft)	TDS (mg/l)
Uinta	Predominantly lenticular fluvial sand and shale, with minor lacustrine carbonates	0	1,333	< 10,000

PART III. Well Construction (40 CFR 146.22)

TABLE 3.1
WELL CONSTRUCTION REQUIREMENTS
Federal 5-9-9-18

Casing Type	Hole Size (in)	Casing Size (in)	Cased Interval (ft)	Cemented Interval (ft)
Surface	12.25	8.63	0 - 325	0 - 325
Long String	7.88	5.50	0 - 5,883	250 - 5,883
Tubing	5.50	2.88	0 - 5,777	-

The approved well completion plan will be incorporated into the Permit as APPENDIX A and will be binding on the Permittee. Modification of the approved plan is allowed under 40 CFR 144.52(a)(1) provided written approval is obtained from the Director prior to actual modification.

The Federal well 5-9-9-18 was drilled to a total depth of 5,875 feet (KB) in the Basal Carbonate Member of the Green River Formation.

Surface casing (8-5/8 inch) was set at a depth of 325 feet in a 12-1/4 inch hole using 160 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 5,883 feet (KB) in a 7-7/8 inch hole with 325 sacks of Premium Lite II and 425 sacks of 50/50 POZ mix. The CBL shows the top of cement at

250 feet from the surface.

The schematic diagram shows the enhanced recovery injection perforations in the Garden Gulch and Douglas Creek Members of the Green River Formation. Additional perforations may be added at a later time between the depths of 3,660 feet and the top of the Wasatch Formation (estimated to be 5,905 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

The approved well completion plan will be incorporated into the Permit as APPENDIX A and will be binding on the Permittee. Modification of the approved plan is allowed under 40 CFR 144.52(a)(1) provided written approval is obtained from the Director prior to actual modification.

Casing and Cementing (TABLE 3.1)

The well construction plan was evaluated and determined to be in conformance with standard practices and guidelines that ensure well injection does not result in the movement of fluids into USDWs. Well construction details for this "new" injection well is shown in TABLE 3.1.

Remedial cementing may be required if the casing cement is shown to be inadequate by cement bond log or other demonstration of Part II (External) mechanical integrity.

Tubing and Packer

Injection tubing is required to be installed from a packer up to the surface inside the well casing. The packer will be set above the uppermost perforation. The tubing and packer are designed to prevent injection fluid from coming into contact with the outermost casing.

The packer will be set no higher than 100 feet above the top perforation.

Tubing-Casing Annulus (TCA)

The TCA allows the casing, tubing and packer to be pressure-tested periodically for mechanical integrity, and will allow for detection of leaks. The TCA will be filled with fresh water treated with a corrosion inhibitor or other fluid approved by the Director.

The tubing/casing annulus must be kept closed at all times so that it can be monitored as required under the conditions of the permit.

Monitoring Devices

The permittee will be required to install and maintain wellhead equipment that allows for monitoring pressures and providing access for sampling the injected fluid. Required equipment may include but is not limited to: 1) shut-off valves located at the wellhead on the injection tubing and on the TCA; 2) a flow meter that measures the cumulative volume of injected fluid; 3) fittings or pressure gauges attached to the injection tubing and the TCA for monitoring the injection and TCA pressure; and 4) a tap on the injection line, isolated by shut-off valves, for sampling the injected fluid.

All sampling and measurement taken for monitoring must be representative of the monitored activity.

PART IV. Area of Review, Corrective Action Plan (40 CFR 144.55)

TABLE 4.1
AOR AND CORRECTIVE ACTION

Well Name	Type	Status (Abandoned Y/N)	Total Depth (ft)	TOC Depth (ft)	CAP Required (Y/N)
Federal 12-9-9-18	Producer	No	5,850	610	No
Federal 4-9-9-18	Producer	No	6,075	85	No
Federal 6-9-9-18	Producer	No	5,860	260	No
Federal 8-8-9-18	Producer	No	6,050	160	No

TABLE 4.1 lists the wells in the Area of Review ("AOR") and shows the well type, operating status, depth, top of casing cement ("TOC") and whether a Corrective Action Plan ("CAP") is required for the well.

Area Of Review
Applicants for Class I, II (other than "existing" wells) or III injection well Permits are required to identify the location of all known wells within the injection well's Area of Review (AOR) which penetrate the injection zone, or in the case of Class II wells operating over the fracture pressure of the formation, all known wells within the area of review that penetrate formations which may be affected by increased pressure. Under 40 CFR 146.6 the AOR may be a fixed radius of not less than one quarter (1/4) mile or a calculated zone of endangering influence. For Area Permits, a fixed width of not less than one quarter (1/4) mile for the circumscribing area may be used.

Corrective Action Plan
For wells in the AOR which are improperly sealed, completed, or abandoned, the applicant shall develop a Corrective Action Plan (CAP) consisting of the steps or modifications that are necessary to prevent movement of fluid into USDWs.

The CAP will be incorporated into the Permit as APPENDIX F and become binding on the permittee.

PART V. Well Operation Requirements (40 CFR 146.23)

TABLE 5.1
INJECTION ZONE PRESSURES
Federal 5-9-9-18

Formation Name	Depth Used to Calculate MAIP (ft)	Fracture Gradient (psi/ft)	Initial MAIP (psi)
Green River	5,048	0.690	1,260

Approved Injection Fluid
The approved injection fluid is limited to Class II injection well fluids pursuant to 40 CFR §

144.6(b). For disposal wells injecting water brought to the surface in connection with natural gas storage operations, or conventional oil or natural gas production, the fluid may be commingled and the well used to inject other Class II wastes such as drilling fluids and spent well completion, treatment and stimulation fluid. Injection of non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes, and vacuum truck and drum rinsate from trucks and drums transporting or containing non-exempt waste, is prohibited.

Injection Pressure Limitation

Injection pressure, measured at the wellhead, shall not exceed a maximum calculated to assure that the pressure used during injection does not initiate new fractures or propagate existing fractures in the confining zones adjacent to the USDWs.

The applicant submitted injection fluid density and injection zone data which was used to calculate a formation fracture pressure and to determine the maximum allowable injection pressure (MAIP), as measured at the surface, for this Permit.

TABLE 5.1 lists the fracture gradient for the injection zone and the approved MAIP, determined according to the following formula:

$$FP = [fg - (0.433 * sg)] * d$$

FP = formation fracture pressure (measured at surface)
fg = fracture gradient (from submitted data or tests)
sg = specific gravity (of injected fluid)
d = depth to top of injection zone (or top perforation)

Injection Volume Limitation

Cumulative injected fluid volume limits are set to assure that injected fluids remain within the boundary of the exempted area. Cumulative injected fluid volume is limited when injection occurs into an aquifer that has been exempted from protection as a USDW.

There will be no restrictions on the cumulative volume of the authorized fluid injected into the Green River interval 3,660 feet to the top of the Wasatch Formation which is estimated to be at a depth of 5,905 feet KB.

Mechanical Integrity (40 CFR 146.8)

An injection well has mechanical integrity if:

1. there is no significant leak in the casing, tubing, or packer (Part I); and
2. there is no significant fluid movement into a USDW through vertical channels adjacent to the injection well bore (Part II).

The Permit prohibits injection into a well which lacks mechanical integrity.

The Permit requires that the well demonstrate mechanical integrity prior to injection and periodically thereafter. A demonstration of mechanical integrity includes both internal (Part I) and external (Part II). The methods and frequency for demonstrating Part I and Part II mechanical integrity are dependent upon well-specific conditions as explained below.

PART VI. Monitoring, Recordkeeping and Reporting Requirements

Injection Well Monitoring Program

At least once a year the permittee must analyze a sample of the injected fluid for total dissolved solids (TDS), specific conductivity, pH, and specific gravity. This analysis shall be reported to EPA annually as part of the Annual Report to the Director. Any time a new source of injected fluid is added, a fluid analysis shall be made of the new source.

Instantaneous injection pressure, injection flow rate, cumulative fluid volume and TCA pressures must be observed on a weekly basis. A recording, at least once every thirty (30) days, must be made of the injection pressure, annulus pressure, monthly injection flow rate and cumulative fluid volume. This information is required to be reported annually as part of the Annual Report to the Director.

PART VII. Plugging and Abandonment Requirements (40 CFR 146.10)

Plugging and Abandonment Plan

Prior to abandonment, the well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs, and in accordance with any applicable Federal, State or local law or regulation. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520 13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. The plugging and abandonment plan is described in Appendix E of the Permit.

PART VIII. Financial Responsibility (40 CFR 144.52)

Demonstration of Financial Responsibility

The permittee is required to maintain financial responsibility and resources to close, plug, and abandon the underground injection operation in a manner prescribed by the Director. The permittee shall show evidence of such financial responsibility to the Director by the submission of a surety bond, or other adequate assurance such as financial statements or other materials acceptable to the Director. The Regional Administrator may, on a periodic basis, require the holder of a lifetime permit to submit a revised estimate of the resources needed to plug and abandon the well to reflect inflation of such costs, and a revised demonstration of financial responsibility if necessary. Initially, the operator has chosen to demonstrate financial responsibility with:

Financial Statement, received April 22, 2005

Financial Statement, received April 22, 2005

Evidence of continuing financial responsibility is required to be submitted to the Director annually.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-39714
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: SUNDANCE UNIT
8. WELL NAME and NUMBER: FEDERAL 5-9-9-18
9. API NUMBER: 4304735766
10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL [x] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 1981 FNL 663 FWL COUNTY: UINTAH
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 9, T9S, R18E STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[x] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[x] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
10/23/2008	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[x] OTHER: - Injection Conversion
	[x] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 10/24/08 Margo Smith with the EPA was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 10/28/08. On 10/28/08 the csg was pressured up to 1130 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 100 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT21110-07542 API# 43-047-35766

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Callie Duncan TITLE Production Clerk

SIGNATURE Callie Duncan DATE 10/30/2008

(This space for State use only)

RECEIVED
NOV 03 2008
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 10/28/08
Test conducted by: Trotley J. Raza
Others present: _____

Well Name: Fed 5-9-9-18 Type: ER SWD Status: AC TA UC
Field: Monument Butte
Location: SW/NW Sec: 9 T 9 N (S) R 18 (E) W County: Uintah State: UT
Operator: Newfield
Last MIT: / / Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test? [ ] Yes [X] No
Initial test for permit? [X] Yes [ ] No
Test after well rework? [ ] Yes [X] No
Well injecting during test? [ ] Yes [X] No If Yes, rate: N/A bpd

Pre-test casing/tubing annulus pressure: 0 psig

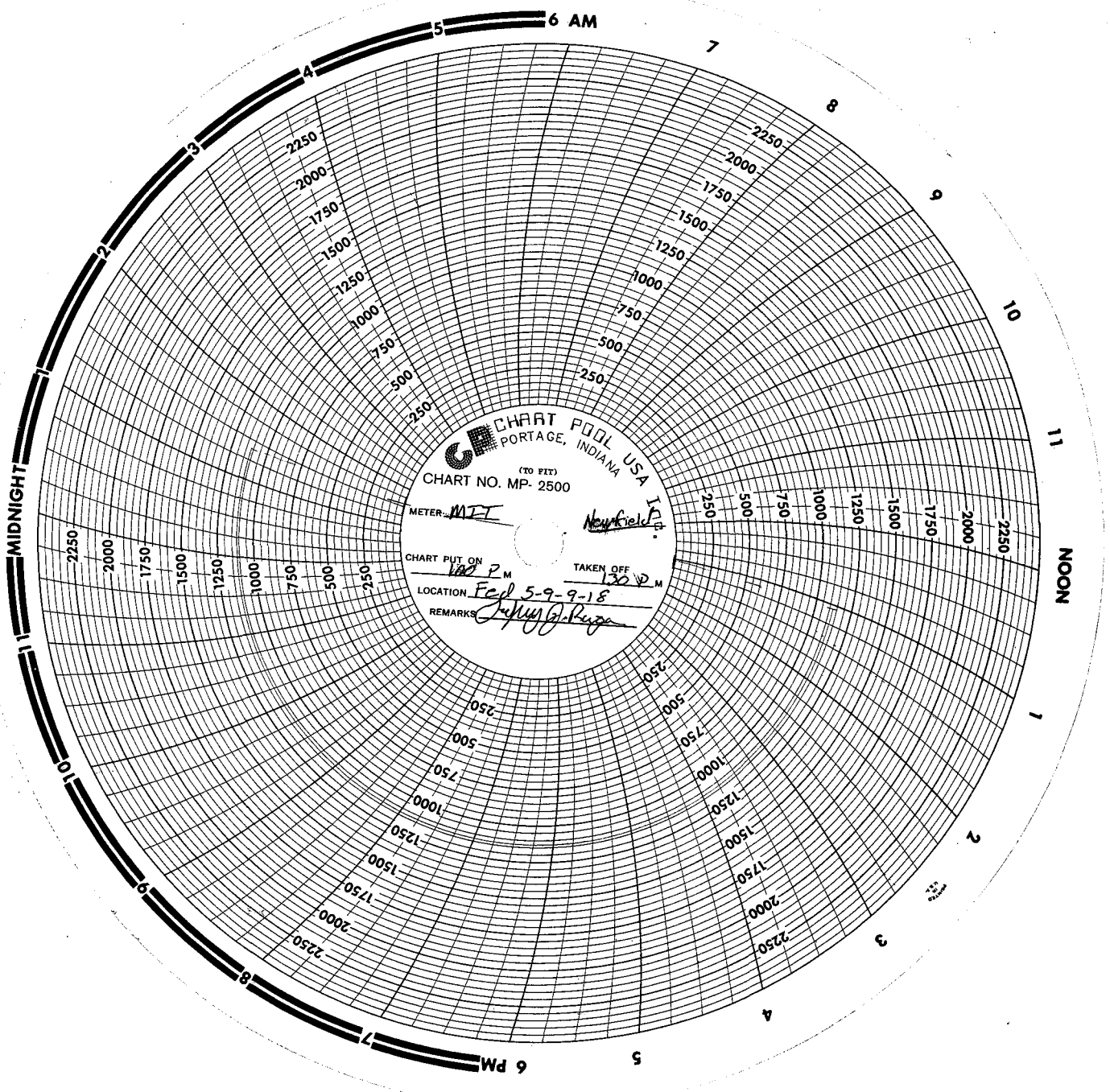
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	100 psig	psig	psig
End of test pressure	100 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1130 psig	psig	psig
5 minutes	1130 psig	psig	psig
10 minutes	1130 psig	psig	psig
15 minutes	1130 psig	psig	psig
20 minutes	1130 psig	psig	psig
25 minutes	1130 psig	psig	psig
30 minutes	1130 psig	psig	psig
_____ minutes	— psig	psig	psig
_____ minutes	— psig	psig	psig
RESULT	[X] Pass [ ]Fail	[ ] Pass [ ]Fail	[ ] Pass [ ]Fail

Does the annulus pressure build back up after the test ? [ ] Yes [X] No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____


6 AM
NOON
MIDNIGHT
6 PM
CHART POOL USA
PORTAGE, INDIANA
(TO FIT)
CHART NO. MP- 2500
METER MIT
Newfield
CHART PUT ON 1200 P M
TAKEN OFF 1230 P M
LOCATION Fed 5-9-9-18
REMARKS

FEDERAL 5-9-9-18

8/1/2008 To 12/30/2008

10/21/2008 Day: 1 **Conversion**

Stone #5 on 10/20/2008 - MIRU Stone #5. RU HO trk to annulus & pump 70 BW @ 250°F. RD pumping unit & unseat rod pump. Flush tbg & rods W/ 40 BW @ 250°F. Soft joint rod string & strip off flow-T. Fill tbg W/ 3 BW & pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD rod string and pump. Reflushed rods W/ 40 BW on TOH. SIFN.

10/22/2008 Day: 2 **Conversion**

Stone #5 on 10/21/2008 - ND wellhead & release TA @ 5557'. NU BOP. TOH & talley production tbg. Broke each connection, clean & inspect pins and apply Liquid O-ring to pins. Out W/ 120 jts. SD due to high winds.

10/23/2008 Day: 3 **Conversion**

Stone #5 on 10/22/2008 - Con't TOH & talley production tbg. Broke each connection, clean & inspect pins and apply Liquid O-ring to pins. LD btm 21 jts tbg and BHA. Replaced 20 deficient tbg collars. MU & TIH W/ injection string as follows: new Weatherford 5 1/2" Arrowset 1-X pkr (W/ W.L. re-entry guide & hardened steel slips), new 2 7/8 SN & 157 jts 2 7/8 8rd 6.5# J-55 tbg. RU HO trk & pump 15 bbl pad. Drop standing valve & pump to SN. Pressure up on tbg to 3000 psi. Held solid for 30 minutes. RIH W/ overshot on sdline. Latch onto & pull standing valve. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8625 in 70 bbls fresh wtr. RU HO trk & pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4987', CE @ 4991' & EOT @ 4995'. Land tbg W/ 15,000# tension. NU wellhead. Top off annulus W/ 45 bbls pkr fluid & pressure test casing & pkr to 1400 psi. Bump pressure several times & seems stabilized. Leave pressure overnight.

10/24/2008 Day: 4 **Conversion**

Stone #5 on 10/23/2008 - Thaw wellhead W/ HO trk. Check casing pressure--still @ 1400 psi. Leave pressure on well. RDMOSU. Well ready for MIT.

10/29/2008 Day: 5 **Conversion**

Rigless on 10/28/2008 - On 10/24/08 Margo Smith with the EPA was contacted concerning the initial MIT on the above listed well (Fed 5-9-9-18). Permission was given at that time to perform the test on 10/28/08. On 10/28/08 the csg was pressured up to 1130 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 100 psig during the test. There was not an EPA representative available to witness the test. EPA# UT21110-07542 API# 43-047-35766

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-39714
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
SUNDANCE UNIT
8. WELL NAME and NUMBER:
FEDERAL 5-9-9-18
9. API NUMBER:
4304735766
10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 1981 FNL 663 FWL COUNTY: UINTAH
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 9, T9S, R18E STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
12/03/2008	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Change status put well on injection
	[X] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 10:00 AM on 12-3-08.

NAME (PLEASE PRINT) Kathy Chapman TITLE Office Manager

SIGNATURE Kathy Chapman DATE 12/05/2008

(This space for State use only)

RECEIVED
DEC 08 2008
DIV. OF OIL, GAS & MINING

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

DEC 0 8 2008

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Michael Guinn
District Manager
Newfield Production Company
Route 3 - Box 3630
Myton, UT 84052

9S 18E 9

RE: **Authority to Commence Injection**
EPA UIC Permit UT21131-07635
Well: Federal 5-9-9-18
Uintah County, Utah
API #: 43-047-35766
Correction to Nov. 18 Letter

Dear Mr. Guinn:

This serves as a correction to the November 18, 2008 Authority to Commence Injection Letter. The corresponding EPA UIC Permit Number is corrected to: UT 21131-07635. (The Nov. 18 letter incorrectly referenced the Permit Number as UT21110-07542.)

Newfield Production Company (Newfield) has satisfactorily completed Environmental Protection Agency (EPA) **Prior to Commencing Injection** requirements for Final Permit UT21131-07635, effective July 23, 2008. The Part I (Internal) Mechanical Integrity Test (MIT), Well Rework Record (EPA Form No. 7520-12), schematic diagram, and pore pressure, were reviewed and approved by EPA on November 12, 2008.

As of the date of this letter, Newfield is authorized to commence injection into Federal 5-9-9-18 at a maximum authorized injection pressure (MAIP) of **1260 psig.** Until such time as the Permittee demonstrates through a Step Rate Test (SRT) that the Fracture Gradient (FG) is other than 0.69 psi/ft, Federal 5-9-9-18 shall be operated at a MAIP no greater than **1260 psig.**

As of this approval, responsibility for permit compliance and enforcement is transferred to Region 8 UIC Technical Enforcement Program office. Therefore, please direct all monitoring

RECEIVED
DEC 11 2008
DIV. OF OIL, GAS & MINING

and compliance correspondence to the following address, referencing your well name and UIC Permit number on all correspondence regarding this well to:

Mr. Nathan Wiser
Technical Enforcement Program – UIC
U.S. EPA Region 8: Mail Code 8ENF-UFO
1595 Wynkoop Street
Denver, CO 80202-1129

Or, you may reach Mr. Wiser by telephone at 303-312-6211, or 1 800-227-8927, ext. 312-6211.

Please remember that it is your responsibility to be aware of and to comply with all conditions of injection well Permit UT21131-07635.

If you have questions regarding the above action, please call Bruce Suchomel at 303-312-6001 or 1-800-227-8917, ext. 312-312-6001.

Sincerely,

for Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Letter Only:

Uintah & Ouray Business Committee, Ute Indian Tribe
Curtis Cesspooch, Chairman
Ronald Groves, Councilman
Irene Cuch, Vice-Chairwoman
Steven Cesspooch, Councilman
Phillip Chimburas, Councilman
Frances Poowegup, Councilwoman

Daniel Picard, Superintendent
U.S. Bureau of Indian Affairs
Uintah & Ouray Indian Agency

All Enclosures:

Michelle Sabori, Acting Director
GAP 106
Ute Indian Tribe

Larry Love, Director
Energy and Minerals Department
Ute Indian Tribe

Elaine Willie, GAP Coordinator
Land Use Department
Ute Indian Tribe

Gilbert Hunt
Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
U.S. Bureau of Land Management
Vernal, UT

Michael Guinn, District Manager
Newfield Production Company
Myton, UT

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-39714

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: SUNDANCE UNIT

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

8. WELL NAME and NUMBER: FEDERAL 5-9-9-18

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 4304735766

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER: 435.646.3721

10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 1981 FNL 663 FWL

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 9, T9S, R18E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARILY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[X] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
04/15/2009	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[ ] OTHER: -
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well had workover procedures performed (packer leak.
On 04/01/09 Nathan Wiser with the EPA was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 04/09/09. On 04/09/09 the csg was pressured up to 1230 psig and charted for 30 minute with no pressure loss. The well was not injecting during the test. The tbg pressure was 380 psig during the test. There was not an EPA representative available to witness the test.
EPA UT 21131-07635
API# 43-047-35766

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Jentri Park TITLE Production Tech

SIGNATURE DATE 04/16/2009

(This space for State use only)

RECEIVED
APR 20 2009
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 4 / 9 / 09
Test conducted by: Trefley J. Ruzza
Others present: _____

Well Name: Fed 5-9-9-18 Type: ER SWD Status: AC TA UC
Field: Monument Butte
Location: SW/NW Sec: 9 T 9 N (S) R 18 (E) W County: Uintah State: UT
Operator: Newfield
Last MIT: / / Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test? [ ] Yes [X] No
Initial test for permit? [ ] Yes [X] No
Test after well rework? [X] Yes [ ] No
Well injecting during test? [ ] Yes [X] No If Yes, rate: 0 bpd

Pre-test casing/tubing annulus pressure: 0 psig

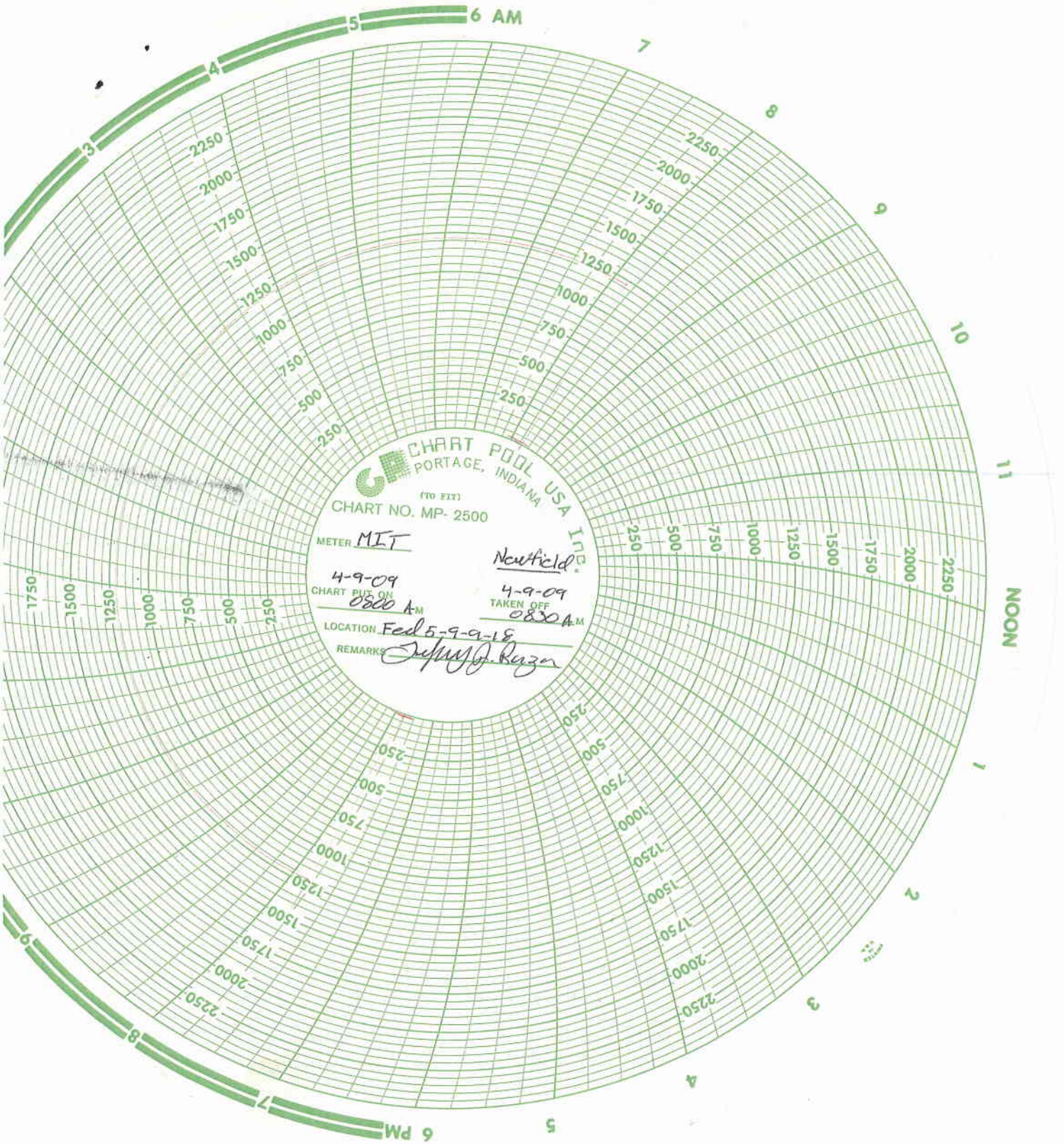
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	380 psig	psig	psig
End of test pressure	380 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1230 psig	psig	psig
5 minutes	1230 psig	psig	psig
10 minutes	1230 psig	psig	psig
15 minutes	1230 psig	psig	psig
20 minutes	1230 psig	psig	psig
25 minutes	1230 psig	psig	psig
30 minutes	1230 psig	psig	psig
_____ minutes	— psig	psig	psig
_____ minutes	— psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test ? [ ] Yes [X] No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____


6 AM
NOON
6 PM
CHART POOL USA Inc.
PORTAGE, INDIANA
(TO FIT)
CHART NO. MP- 2500
METER MIT
Newfield
4-9-09
CHART PUT ON 0800 AM
4-9-09
TAKEN OFF 0830 AM
LOCATION Fed 5-9-9-18
REMARKS Jeffrey J. Ryzer

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-39714
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
GMBU
8. WELL NAME and NUMBER:
FEDERAL 5-9-9-18
9. API NUMBER:
4304735766
10. FIELD AND POOL, OR WILDCAT:
GREATER MB UNIT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL [x] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 1981 FNL 663 FWL COUNTY: UINTAH
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 9, T9S, R18E STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[x] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
07/27/2010	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[x] OTHER: - Step Rate Test
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on July 27,2010. Results from the test indicate that the fracture gradient is .710 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1260 psi to 1365 psi.

EPA: UT21131-07635 API: 43-047-35766

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE Lucy Chavez-Naupoto DATE 08/06/2010

(This space for State use only)

RECEIVED
AUG 11 2010
DIV. OF OIL, GAS & MINING

Step Rate Test (SRT) Analysis

Date: 08/04/2010

Operator: **Newfield Production Company**

Well: **Federal 5-9-9-18**

Permit #: **UT21131-07635**

Enter the following data :

Specific Gravity (sg) of injectate =	**1.015**	*g/cc*	
Depth to top perforation (D) =	**5048**	*feet*	5048
Top of permitted injection zone depth (blank=use top perforation to calculate fg) =		*feet*	
Estimated Formation Parting Pressure (Pfp) from SRT chart =	**1365**	*psi*	
Instantaneous Shut In Pressure (ISIP) from SRT =	**1410**	*psi*	1365
Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder =		*psi*	no downhole

Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = **0.710** *psi/ft.*

where: fg = Pbhp / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1410

D = depth used = 5048 *Pbhp used = 3584*

Calculated Bottom Hole Parting Pressure (Pbhp) = **3584** *psi* 3583.571

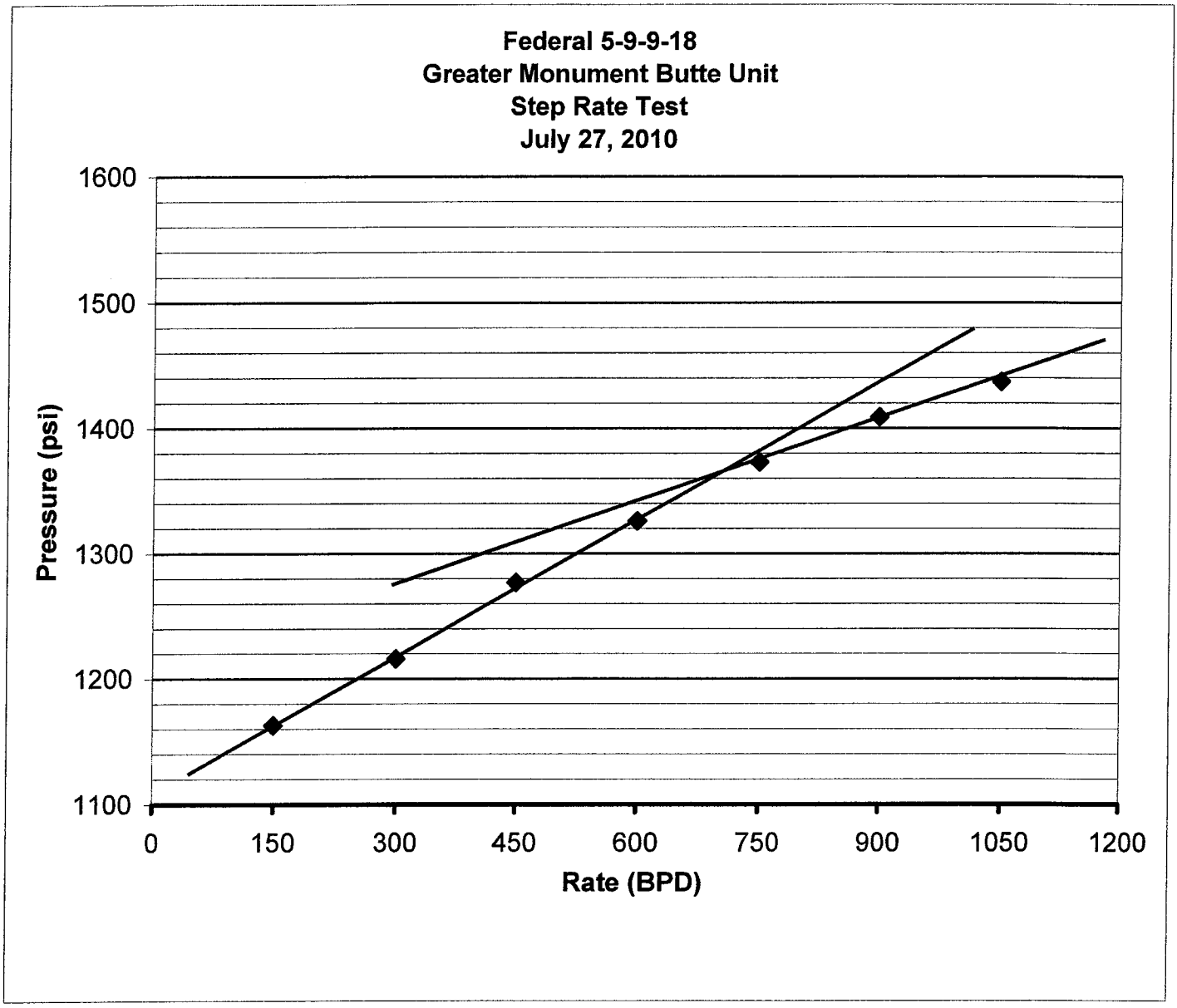
*to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 * SG * D)*

(Uses lesser of ISIP or Pfp) Value used = 1365

Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

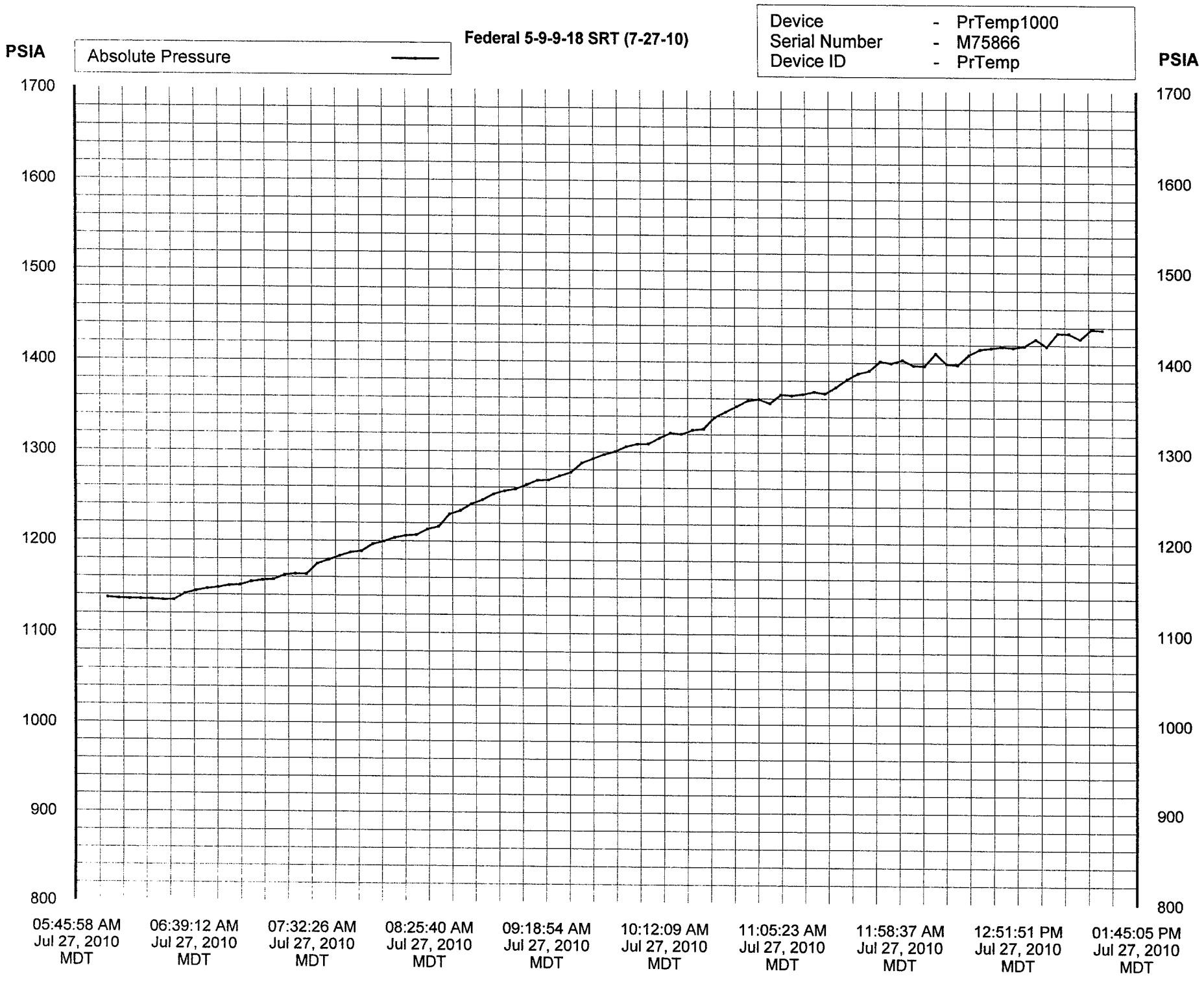
Maximum Allowable Injection Pressure (MAIP) = **1365** *psig*

D = depth used = 5048 *MAIP = [fg - (0.433 * SG)] * D = 1365.509* *(rounded down to nearest 5 psig)*



Start Pressure:	1134	psi
Instantaneous Shut In Pressure (ISIP):	1410	psi
Top Perforation:	5048	feet
Fracture pressure (Pfp):	1365	psi
FG:	0.710	psi/ft

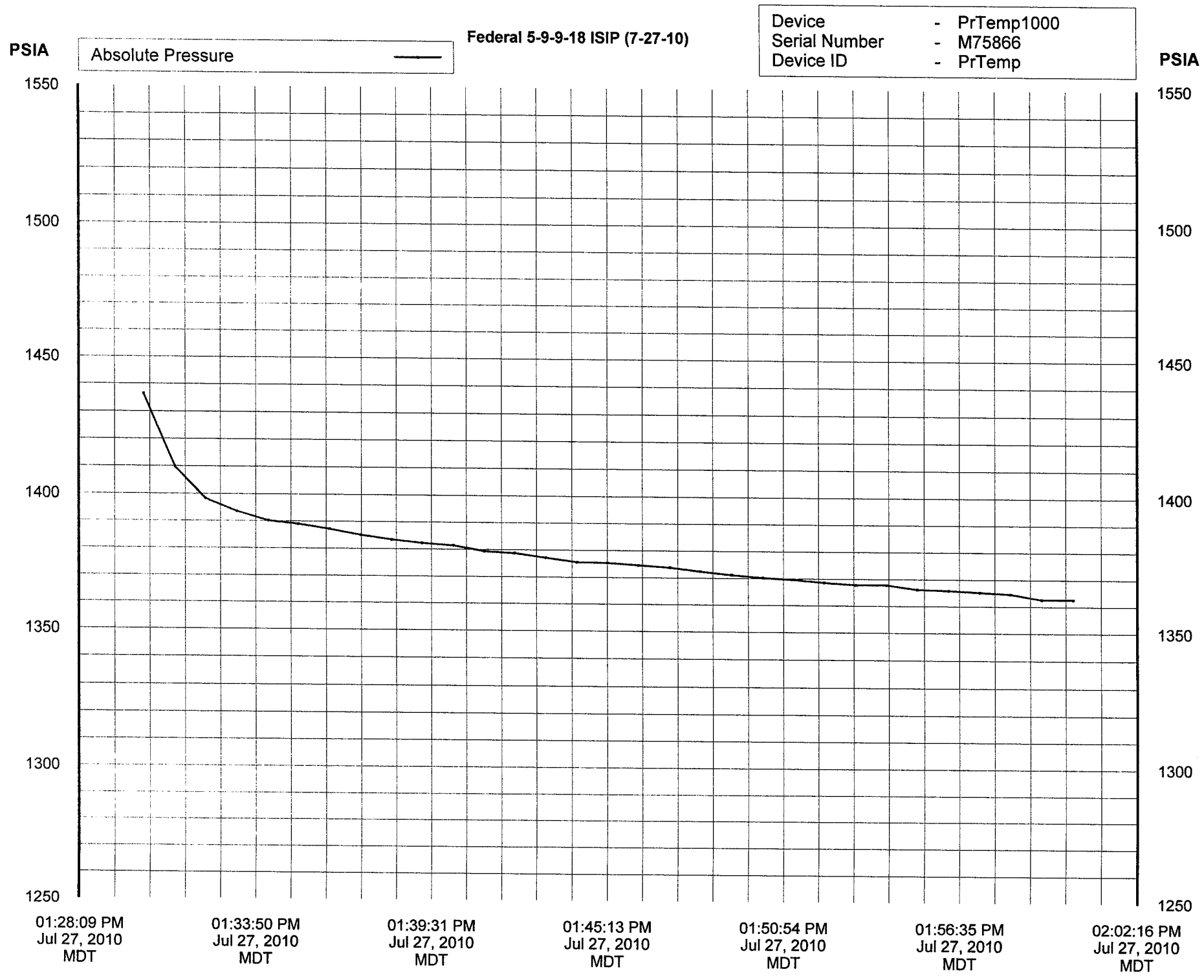
Step	Rate(bpd)	Pressure(psi)
1	150	1163
2	300	1216
3	450	1277
4	600	1326
5	750	1373
6	900	1409
7	1050	1437


Federal 5-9-9-18 SRT (7-27-10)
Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp
PSIA
Absolute Pressure
PSIA
1700
1600
1500
1400
1300
1200
1100
1000
900
800
05:45:58 AM Jul 27, 2010 MDT
06:39:12 AM Jul 27, 2010 MDT
07:32:26 AM Jul 27, 2010 MDT
08:25:40 AM Jul 27, 2010 MDT
09:18:54 AM Jul 27, 2010 MDT
10:12:09 AM Jul 27, 2010 MDT
11:05:23 AM Jul 27, 2010 MDT
11:58:37 AM Jul 27, 2010 MDT
12:51:51 PM Jul 27, 2010 MDT
01:45:05 PM Jul 27, 2010 MDT

Report Name:	PrTemp1000 Data Table
Report Date:	Jul 29, 2010 06:25:27 PM MDT
File Name:	C:\Program Files\PTC® Instruments 2.00\Federal 5-9-9-18 SRT (7-27-10).csv
Title:	Federal 5-9-9-18 SRT (7-27-10)
Device:	PrTemp1000 - Temperature and Pressure Recorder
Hardware Revision:	REV2C (64K)
Serial Number:	M75866
Device ID:	PrTemp
Data Start Date:	Jul 27, 2010 06:00:01 AM MDT
Data End Date:	Jul 27, 2010 01:30:01 PM MDT
Reading Rate:	2 Seconds
Readings:	1 to 91 of 91
Last Calibration Date:	May 22, 2009
Next Calibration Date:	May 22, 2010

Reading	Date and Time (MDT)	Absolute Pressure	Annotation
1	Jul 27, 2010 06:00:01 AM	1136.400 PSIA	
2	Jul 27, 2010 06:05:00 AM	1135.600 PSIA	
3	Jul 27, 2010 06:10:01 AM	1135.000 PSIA	
4	Jul 27, 2010 06:15:00 AM	1135.000 PSIA	
5	Jul 27, 2010 06:20:01 AM	1134.800 PSIA	
6	Jul 27, 2010 06:25:00 AM	1134.000 PSIA	
7	Jul 27, 2010 06:30:01 AM	1134.000 PSIA	
8	Jul 27, 2010 06:35:01 AM	1140.800 PSIA	
9	Jul 27, 2010 06:40:01 AM	1144.000 PSIA	
10	Jul 27, 2010 06:45:01 AM	1146.400 PSIA	
11	Jul 27, 2010 06:50:00 AM	1147.800 PSIA	
12	Jul 27, 2010 06:55:01 AM	1150.200 PSIA	
13	Jul 27, 2010 07:00:00 AM	1150.800 PSIA	
14	Jul 27, 2010 07:05:01 AM	1154.400 PSIA	
15	Jul 27, 2010 07:10:00 AM	1156.000 PSIA	
16	Jul 27, 2010 07:15:01 AM	1156.800 PSIA	
17	Jul 27, 2010 07:20:01 AM	1161.800 PSIA	
18	Jul 27, 2010 07:25:01 AM	1163.000 PSIA	
19	Jul 27, 2010 07:30:01 AM	1162.800 PSIA	
20	Jul 27, 2010 07:35:00 AM	1174.800 PSIA	
21	Jul 27, 2010 07:40:01 AM	1179.000 PSIA	
22	Jul 27, 2010 07:45:00 AM	1183.200 PSIA	
23	Jul 27, 2010 07:50:01 AM	1187.200 PSIA	
24	Jul 27, 2010 07:55:00 AM	1188.800 PSIA	
25	Jul 27, 2010 08:00:01 AM	1196.200 PSIA	
26	Jul 27, 2010 08:05:01 AM	1199.400 PSIA	
27	Jul 27, 2010 08:10:01 AM	1203.400 PSIA	
28	Jul 27, 2010 08:15:01 AM	1205.800 PSIA	
29	Jul 27, 2010 08:20:00 AM	1206.800 PSIA	
30	Jul 27, 2010 08:25:01 AM	1213.200 PSIA	
31	Jul 27, 2010 08:30:00 AM	1216.000 PSIA	
32	Jul 27, 2010 08:35:01 AM	1229.800 PSIA	
33	Jul 27, 2010 08:40:00 AM	1234.000 PSIA	
34	Jul 27, 2010 08:45:01 AM	1241.200 PSIA	
35	Jul 27, 2010 08:50:01 AM	1245.800 PSIA	
36	Jul 27, 2010 08:55:01 AM	1252.200 PSIA	
37	Jul 27, 2010 09:00:01 AM	1255.800 PSIA	
38	Jul 27, 2010 09:05:00 AM	1258.000 PSIA	
39	Jul 27, 2010 09:10:01 AM	1262.800 PSIA	
40	Jul 27, 2010 09:15:00 AM	1267.800 PSIA	
41	Jul 27, 2010 09:20:01 AM	1268.200 PSIA	
42	Jul 27, 2010 09:25:00 AM	1273.000 PSIA	
43	Jul 27, 2010 09:30:01 AM	1276.800 PSIA	
44	Jul 27, 2010 09:35:01 AM	1287.400 PSIA	
45	Jul 27, 2010 09:40:01 AM	1292.200 PSIA	
46	Jul 27, 2010 09:45:01 AM	1297.000 PSIA	
47	Jul 27, 2010 09:50:00 AM	1300.400 PSIA	
48	Jul 27, 2010 09:55:01 AM	1306.000 PSIA	
49	Jul 27, 2010 10:00:00 AM	1308.800 PSIA	
50	Jul 27, 2010 10:05:01 AM	1309.200 PSIA	
51	Jul 27, 2010 10:10:00 AM	1315.800 PSIA	
52	Jul 27, 2010 10:15:01 AM	1321.400 PSIA	
53	Jul 27, 2010 10:20:01 AM	1320.200 PSIA	
54	Jul 27, 2010 10:25:01 AM	1324.800 PSIA	
55	Jul 27, 2010 10:30:01 AM	1326.400 PSIA	
56	Jul 27, 2010 10:35:00 AM	1339.000 PSIA	
57	Jul 27, 2010 10:40:01 AM	1345.200 PSIA	
58	Jul 27, 2010 10:45:00 AM	1351.400 PSIA	
59	Jul 27, 2010 10:50:01 AM	1357.800 PSIA	
60	Jul 27, 2010 10:55:00 AM	1359.400 PSIA	

61	Jul 27, 2010 11:00:01 AM	1355.000	PSIA
62	Jul 27, 2010 11:05:01 AM	1364.600	PSIA
63	Jul 27, 2010 11:10:01 AM	1363.800	PSIA
64	Jul 27, 2010 11:15:01 AM	1365.400	PSIA
65	Jul 27, 2010 11:20:00 AM	1368.000	PSIA
66	Jul 27, 2010 11:25:01 AM	1366.200	PSIA
67	Jul 27, 2010 11:30:00 AM	1373.200	PSIA
68	Jul 27, 2010 11:35:01 AM	1381.800	PSIA
69	Jul 27, 2010 11:40:00 AM	1388.400	PSIA
70	Jul 27, 2010 11:45:01 AM	1391.400	PSIA
71	Jul 27, 2010 11:50:01 AM	1401.800	PSIA
72	Jul 27, 2010 11:55:01 AM	1399.800	PSIA
73	Jul 27, 2010 12:00:01 PM	1403.400	PSIA
74	Jul 27, 2010 12:05:00 PM	1397.400	PSIA
75	Jul 27, 2010 12:10:01 PM	1397.000	PSIA
76	Jul 27, 2010 12:15:00 PM	1410.600	PSIA
77	Jul 27, 2010 12:20:01 PM	1399.200	PSIA
78	Jul 27, 2010 12:25:00 PM	1398.200	PSIA
79	Jul 27, 2010 12:30:01 PM	1409.200	PSIA
80	Jul 27, 2010 12:35:01 PM	1415.400	PSIA
81	Jul 27, 2010 12:40:01 PM	1417.000	PSIA
82	Jul 27, 2010 12:45:01 PM	1418.400	PSIA
83	Jul 27, 2010 12:50:00 PM	1417.400	PSIA
84	Jul 27, 2010 12:55:01 PM	1419.200	PSIA
85	Jul 27, 2010 01:00:00 PM	1426.600	PSIA
86	Jul 27, 2010 01:05:01 PM	1418.800	PSIA
87	Jul 27, 2010 01:10:00 PM	1433.800	PSIA
88	Jul 27, 2010 01:15:01 PM	1433.400	PSIA
89	Jul 27, 2010 01:20:01 PM	1427.200	PSIA
90	Jul 27, 2010 01:25:01 PM	1438.200	PSIA
91	Jul 27, 2010 01:30:01 PM	1437.400	PSIA


Federal 5-9-9-18 ISIP (7-27-10)
Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp
PSIA
Absolute Pressure
PSIA
1550
1500
1450
1400
1350
1300
1250
01:28:09 PM Jul 27, 2010 MDT
01:33:50 PM Jul 27, 2010 MDT
01:39:31 PM Jul 27, 2010 MDT
01:45:13 PM Jul 27, 2010 MDT
01:50:54 PM Jul 27, 2010 MDT
01:56:35 PM Jul 27, 2010 MDT
02:02:16 PM Jul 27, 2010 MDT

Report Name:	PrTemp1000 Data Table
Report Date:	Jul 29, 2010 06:25:16 PM MDT
File Name:	C:\Program Files\PTC® Instruments 2.00\Federal 5-9-9-18 ISIP (7-27-10).csv
Title:	Federal 5-9-9-18 ISIP (7-27-10)
Device:	PrTemp1000 - Temperature and Pressure Recorder
Hardware Revision:	REV2C (64K)
Serial Number:	M75866
Device ID:	PrTemp
Data Start Date:	Jul 27, 2010 01:30:13 PM MDT
Data End Date:	Jul 27, 2010 02:00:14 PM MDT
Reading Rate:	2 Seconds
Readings:	1 to 31 of 31
Last Calibration Date:	May 22, 2009
Next Calibration Date:	May 22, 2010

Reading	Date and Time (MDT)	Absolute Pressure	Annotation
1	Jul 27, 2010 01:30:13 PM	1436.400 PSIA	
2	Jul 27, 2010 01:31:14 PM	1409.800 PSIA	
3	Jul 27, 2010 01:32:13 PM	1398.200 PSIA	
4	Jul 27, 2010 01:33:13 PM	1393.600 PSIA	
5	Jul 27, 2010 01:34:14 PM	1390.200 PSIA	
6	Jul 27, 2010 01:35:13 PM	1389.000 PSIA	
7	Jul 27, 2010 01:36:13 PM	1387.200 PSIA	
8	Jul 27, 2010 01:37:14 PM	1385.000 PSIA	
9	Jul 27, 2010 01:38:14 PM	1383.400 PSIA	
10	Jul 27, 2010 01:39:13 PM	1382.200 PSIA	
11	Jul 27, 2010 01:40:14 PM	1381.400 PSIA	
12	Jul 27, 2010 01:41:14 PM	1379.400 PSIA	
13	Jul 27, 2010 01:42:13 PM	1378.800 PSIA	
14	Jul 27, 2010 01:43:14 PM	1377.200 PSIA	
15	Jul 27, 2010 01:44:14 PM	1375.600 PSIA	
16	Jul 27, 2010 01:45:13 PM	1375.400 PSIA	
17	Jul 27, 2010 01:46:13 PM	1374.600 PSIA	
18	Jul 27, 2010 01:47:14 PM	1373.800 PSIA	
19	Jul 27, 2010 01:48:13 PM	1372.400 PSIA	
20	Jul 27, 2010 01:49:13 PM	1371.200 PSIA	
21	Jul 27, 2010 01:50:14 PM	1370.200 PSIA	
22	Jul 27, 2010 01:51:13 PM	1369.600 PSIA	
23	Jul 27, 2010 01:52:13 PM	1368.600 PSIA	
24	Jul 27, 2010 01:53:14 PM	1367.800 PSIA	
25	Jul 27, 2010 01:54:14 PM	1367.800 PSIA	
26	Jul 27, 2010 01:55:13 PM	1366.200 PSIA	
27	Jul 27, 2010 01:56:14 PM	1365.800 PSIA	
28	Jul 27, 2010 01:57:14 PM	1365.200 PSIA	
29	Jul 27, 2010 01:58:13 PM	1364.600 PSIA	
30	Jul 27, 2010 01:59:13 PM	1362.600 PSIA	
31	Jul 27, 2010 02:00:14 PM	1362.600 PSIA	

Federal 5-9-9-18 Rate Sheet (7-27-10)

Step # 1	Time:	6:35	6:40	6:45	6:50	6:55	7:00
	Rate:	150.4	150.4	150.3	150.3	150.3	150.3
	Time:	7:05	7:10	7:15	7:20	7:25	7:30
	Rate:	150.3	150.3	150.3	150.2	150.2	150.2
Step # 2	Time:	7:35	7:40	7:45	7:50	7:55	8:00
	Rate:	300.5	300.5	300.5	300.5	300.5	300.4
	Time:	8:05	8:10	8:15	8:20	8:25	8:30
	Rate:	300.4	300.4	300.4	300.2	300.2	300.2
Step # 3	Time:	8:35	8:40	8:45	8:50	8:55	9:00
	Rate:	450.5	450.5	450.5	450.5	450.4	450.4
	Time:	9:05	9:10	9:15	9:20	9:25	9:30
	Rate:	450.4	450.4	450.3	450.3	450.3	450.3
Step # 4	Time:	9:35	9:40	9:45	9:50	9:55	10:00
	Rate:	600.7	600.7	600.6	600.6	600.6	600.6
	Time:	10:05	10:10	10:15	10:20	10:25	10:30
	Rate:	600.5	600.5	600.4	600.4	600.4	600.4
Step # 5	Time:	10:35	10:40	10:45	10:50	10:55	11:00
	Rate:	750.5	750.5	750.5	750.4	750.4	750.2
	Time:	11:05	11:10	11:15	11:20	11:25	11:30
	Rate:	750.2	750.1	750.1	750.1	750.1	750.1
Step # 6	Time:	11:35	11:40	11:45	11:50	11:55	12:00
	Rate:	900.4	900.4	900.4	900.4	900.3	900.3
	Time:	12:05	12:10	12:15	12:20	12:25	12:30
	Rate:	900.3	900.2	900.2	900.1	900.1	900.1
Step # 7	Time:	12:35	12:40	12:45	12:50	12:55	1:00
	Rate:	1050.5	1050.4	1050.4	1050.4	1050.4	1050.4
	Time:	1:05	1:10	1:15	1:20	1:25	1:30
	Rate:	1050.3	1050.3	1050.2	1050.2	1050.2	1050.2

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-39714	**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**
7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)	**1. TYPE OF WELL** Water Injection Well
8. WELL NAME and NUMBER: FEDERAL 5-9-9-18	**2. NAME OF OPERATOR:** NEWFIELD PRODUCTION COMPANY
9. API NUMBER: 43047357660000	**3. ADDRESS OF OPERATOR:** Rt 3 Box 3630 , Myton, UT, 84052 **PHONE NUMBER:** 435 646-4825 Ext
9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH	**4. LOCATION OF WELL** **FOOTAGES AT SURFACE:** 1981 FNL 0663 FWL **QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWNW Section: 09 Township: 09.0S Range: 18.0E Meridian: S
COUNTY: UINTAH	**STATE:** UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 3/10/2014	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: 5 YR MIT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

5 YR MIT performed on the above listed well. On 03/10/2014 the casing was pressured up to 1505 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1123 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-07635

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 17, 2014

NAME (PLEASE PRINT) Lucy Chavez-Naupoto **PHONE NUMBER** 435 646-4874	**TITLE** Water Services Technician
SIGNATURE N/A	**DATE** 3/13/2014

RECEIVED: Mar. 13, 2014

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 3/10/14
Test conducted by: JOHNNY SLIM
Others present: _____

Well Name: FEDERAL 5-9-9-18 Type: ER SWD Status: AC TA UC
Field: GREATER MONUMENT BUTTE UNIT
Location: 5 Sec: 9 T 9 N (S) R 18 (E) W County: _____ State: ___
Operator: NEWFIELD EXPLORATION COMPANY
Last MIT: / / Maximum Allowable Pressure: 1265 PSIG

Is this a regularly scheduled test? [X] Yes [ ] No
Initial test for permit? [ ] Yes [X] No
Test after well rework? [ ] Yes [X] No
Well injecting during test? [X] Yes [ ] No If Yes, rate: 29 bpd

Pre-test casing/tubing annulus pressure: 0/1123 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	*PRESSURE*		
Initial Pressure	1123 psig	psig	psig
End of test pressure	1123 psig	psig	psig
CASING / TUBING	*ANNULUS*	*PRESSURE*	
0 minutes	1513 psig	psig	psig
5 minutes	1511 psig	psig	psig
10 minutes	1509 psig	psig	psig
15 minutes	1508 psig	psig	psig
20 minutes	1506 psig	psig	psig
25 minutes	1505 psig	psig	psig
30 minutes	1505 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	[X] Pass [ ]Fail	[ ] Pass [ ]Fail	[ ] Pass [ ]Fail

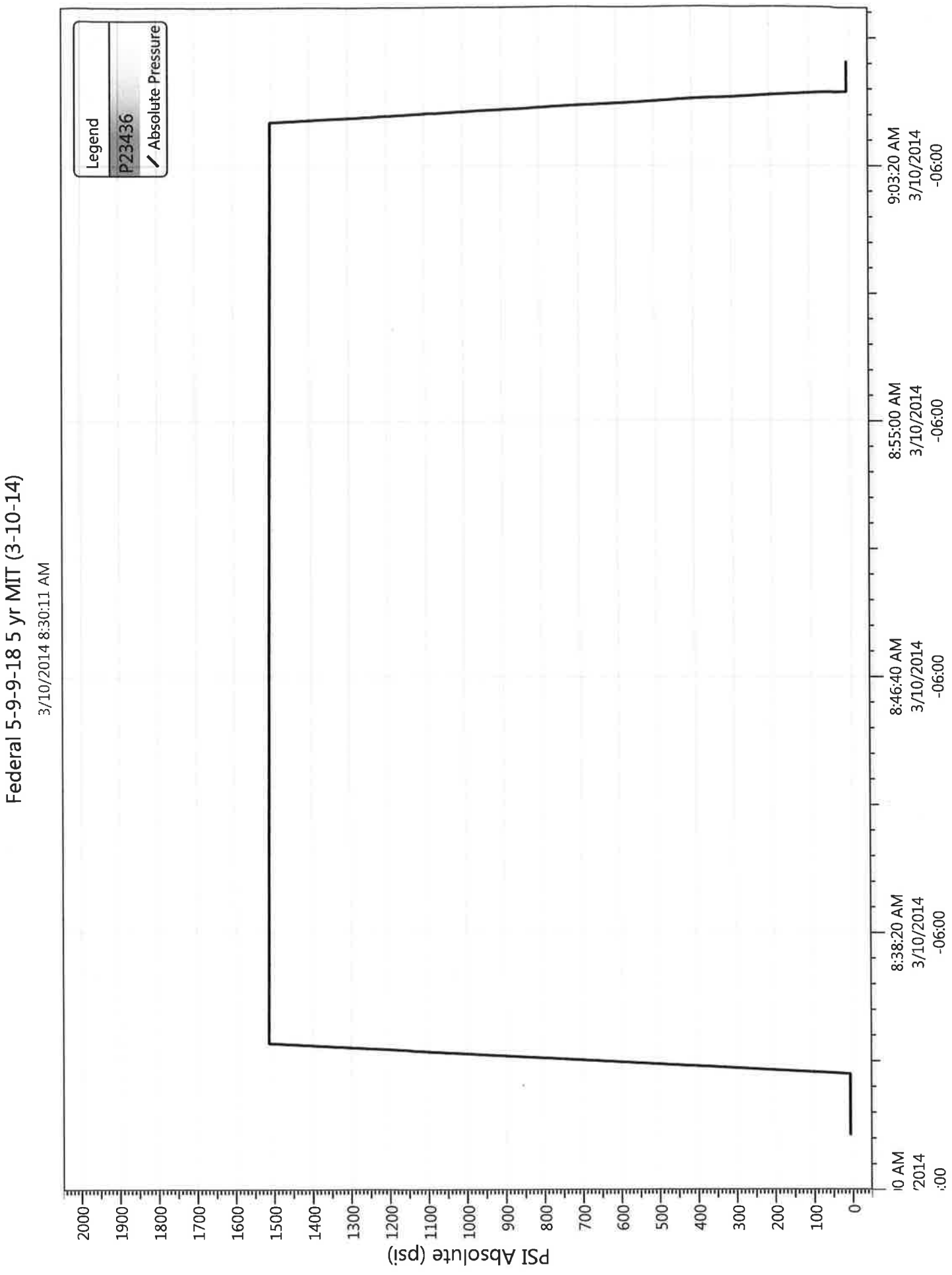
Does the annulus pressure build back up after the test ? [ ] Yes [X] No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

_____

Signature of Witness: _____


Federal 5-9-9-18 5 yr MIT (3-10-14)
3/10/2014 8:30:11 AM
Legend
P23436
Absolute Pressure
PSI Absolute (psi)
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
8:38:20 AM
3/10/2014
-06:00
8:46:40 AM
3/10/2014
-06:00
8:55:00 AM
3/10/2014
-06:00
9:03:20 AM
3/10/2014
-06:00

NEWFIELD

Schematic

43-047-35766

Well Name: Federal 5-9-9-18

Surface Legal Location	API/UWI	Well RC	Lease	State/Province	Field Name	County
09-9S-18E	43047357660000	500153463		Utah	GMBU CTB11	Uintah

Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
12/19/2005	12/31/2005	1/25/2006	4,992	4,980		Original Hole - 5,839.7

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Production / Workover	Repairs	Wellhead Repair	2/18/2015	2/18/2015

TD: 5,885.0 Vertical - Original Hole, 3/30/2016 12:19:33 PM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	Vertical schematic (actual)
			DLS (°...	
12.1				
250.0				
281.2				
323.8				
324.8				1; Surface; 8 5/8 in; 8.097 in; 12-325 ftKB; 312.70 ft
3,950.1				3-1; Tubing; 2 7/8; 2.441; 12-4,987; 4,975.00
3,955.4				
4,986.9				
4,988.2				3-2; Pump Seating Nipple; 2 7/8; 2.441; 4,987-4,988; 1.10
4,995.4				3-3; Packer; 5 1/2; 4,988-4,995; 7.40
5,047.9				
5,063.0				Perforated; 5,048-5,063; 1/20/2006
5,477.0				
5,484.9				Perforated; 5,477-5,485; 1/19/2006
5,599.1				
5,608.9				Perforated; 5,599-5,609; 1/10/2006
5,839.6				
5,840.2				
5,882.9				
5,883.5				2; Production; 5 1/2 in; 4.950 in; 12-5,883 ftKB; 5,871.50 ft
5,884.8				

NEWFIELD

Newfield Wellbore Diagram Data
Federal 5-9-9-18

Surface Legal Location			API/UWI	Lease
09-9S-18E			43047357660000	
County	State/Province		Basin	Field Name
Uintah	Utah			GMBU CTB11
Well Start Date	Spud Date		Final Rig Release Date	On Production Date
12/19/2005	12/19/2005		12/31/2005	1/25/2006
Original KB Elevation (ft) / Ground Elevation (ft)	Total Depth (ftKB)		Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)
4,992 / 4,980	5,885.0			Original Hole - 5,839.7

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	12/20/2005	8 5/8	8.097	24.00	J-55	325
Production	12/31/2005	5 1/2	4.950	15.50	J-55	5,884

Cement

String: Surface, 325ftKB 12/22/2005

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
BJ Services Company	12.0	324.7		
Fluid Description	**Fluid Type**	**Amount (sacks)**	**Class**	**Estimated Top (ftKB)**
Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	Lead	160	G	12.0

String: Production, 5,884ftKB 12/31/2005

Cementing Company	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
BJ Services Company	250.0	5,885.0		
Fluid Description	**Fluid Type**	**Amount (sacks)**	**Class**	**Estimated Top (ftKB)**
Premlite II w/ 10% gel + 3 % KCL, 3#'s /sk CSE + 2# sk/kolseal + 1/4#'s/sk Cello Flake mixed @ 11.0 ppg W / 3.43 cf/sk yield	Lead	325	PL II	250.0
Fluid Description	**Fluid Type**	**Amount (sacks)**	**Class**	**Estimated Top (ftKB)**
50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD	Tail	425	50/50 Poz	3,000.0

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing	10/28/2009	4,995.5

Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	157	2 7/8	2.441	6.50	J-55	4,975.00	12.0	4,987.0
Pump Seating Nipple		2 7/8	2.441			1.10	4,987.0	4,988.1
Packer		5 1/2				7.40	4,988.1	4,995.5

Rod Strings

Rod Description	Run Date	Set Depth (ftKB)

Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
3	CP4, Original Hole	5,048	5,063	4			1/20/2006
2	CP4, Original Hole	5,477	5,485	4			1/19/2006
1	CP4, Original Hole	5,599	5,609	4	12		1/10/2006

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,480	0.7	25.4	1,668			
2	1,400	0.69	25.8	1,237			
3	2,100	0.85	25.3	1,797			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Bulk sand 49454 lbs
2		Proppant Bulk sand 30118 lbs
3		Proppant Bulk sand 128535 lbs